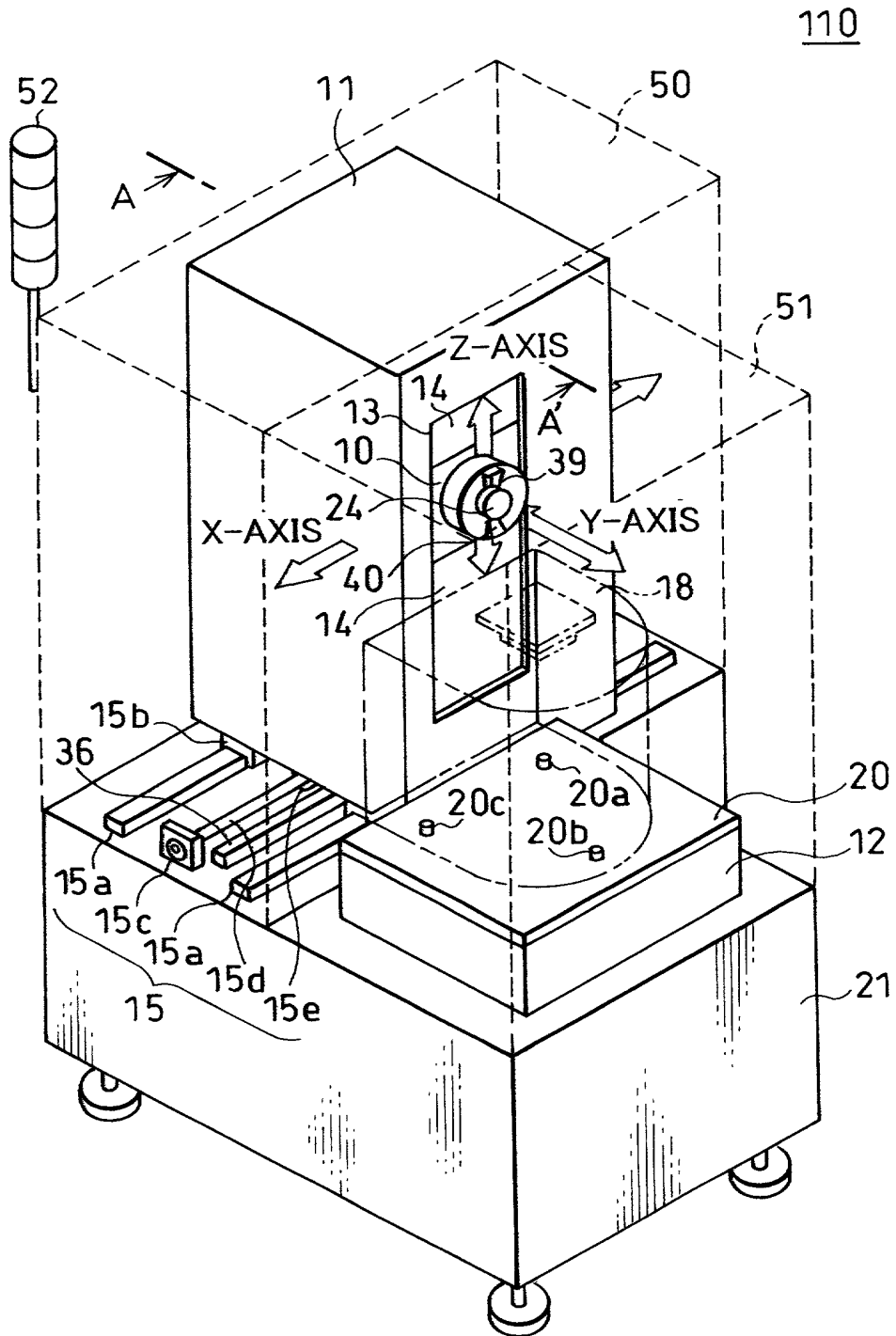


FIG.1



# FIG.2

A-A' SECTIONAL VIEW

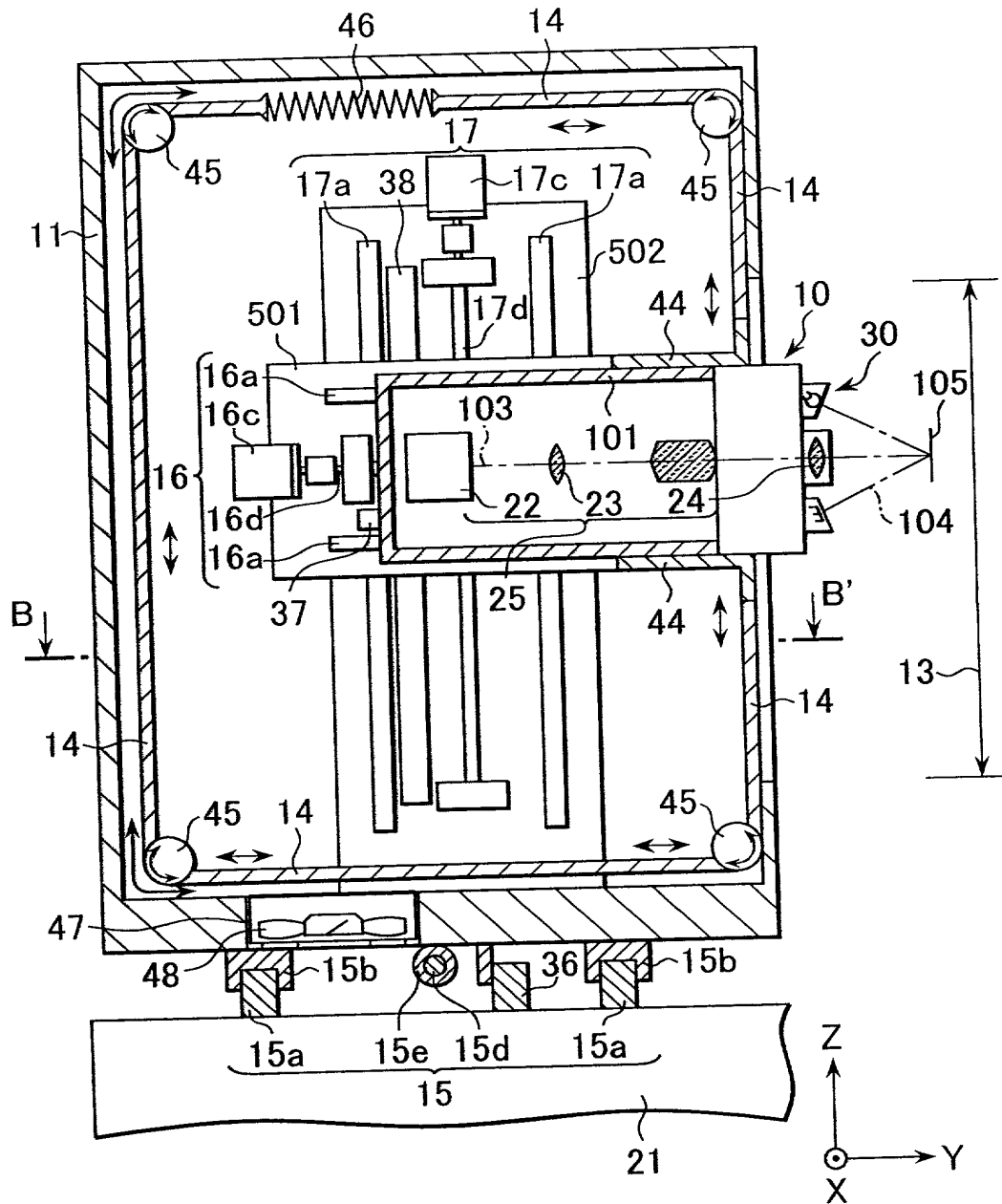


FIG.3

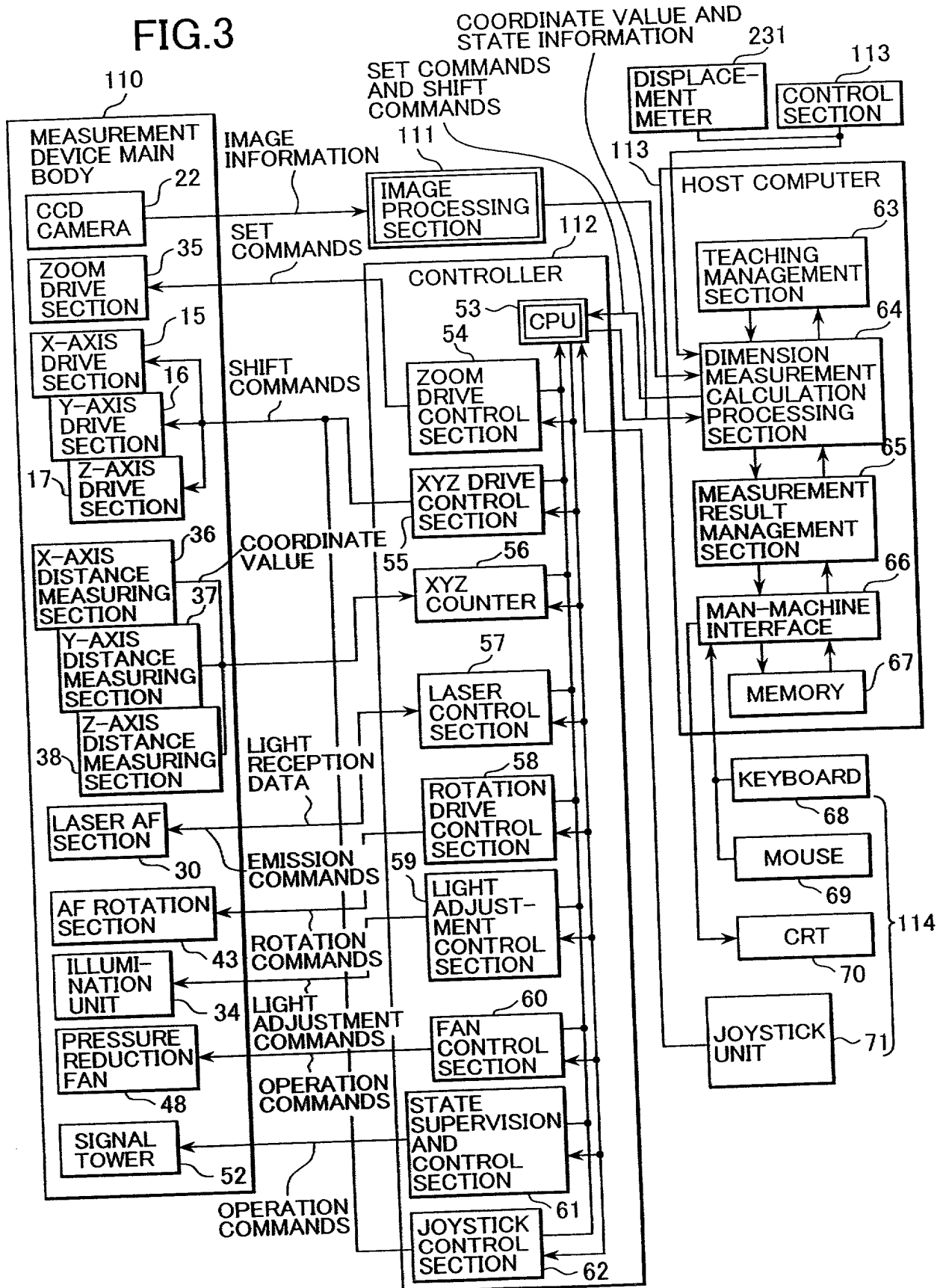


FIG. 4 is a cross-sectional view of a device 10, showing a central body 101 with a central opening 103. The device includes a top section 102 and a bottom section 104, both of which are connected to the central body 101. The top section 102 includes a top surface 26, a top edge 30, and a top corner 39. The bottom section 104 includes a bottom surface 27, a bottom edge 30, and a bottom corner 39. The device is shown in a cross-sectional view, with the central body 101 and the top and bottom sections 102 and 104 being shown in a cross-sectional view. The device is shown in a cross-sectional view, with the central body 101 and the top and bottom sections 102 and 104 being shown in a cross-sectional view.

FIG.4

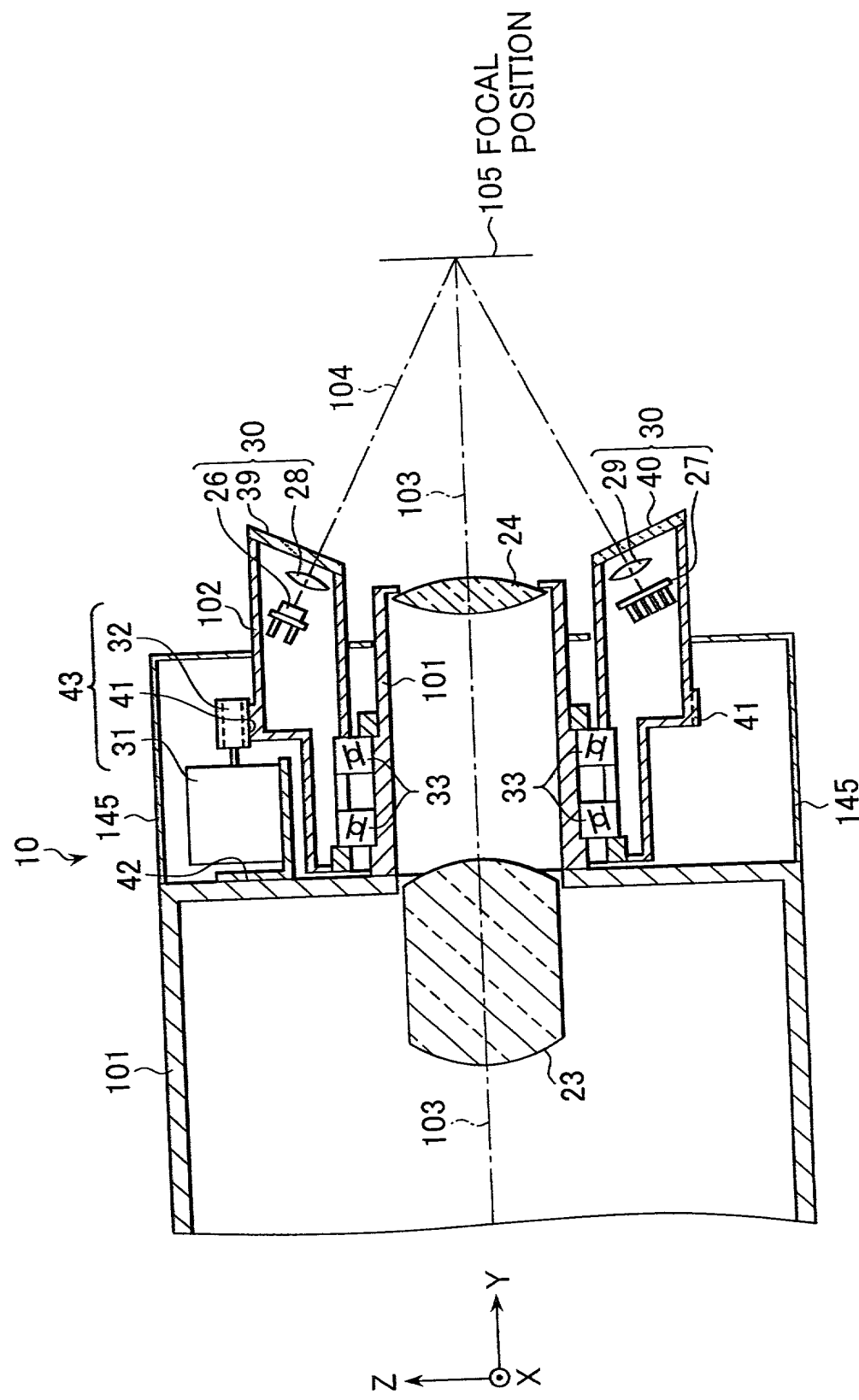


FIG.5A

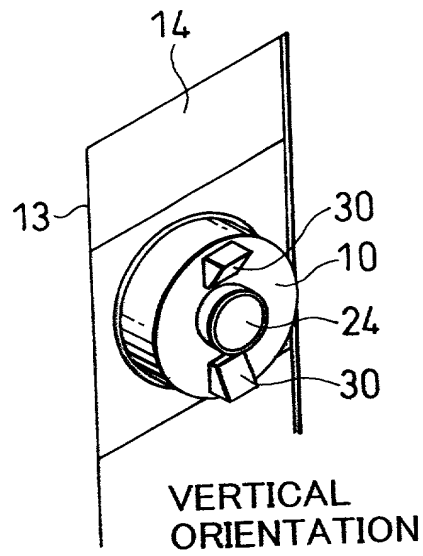


FIG.5B

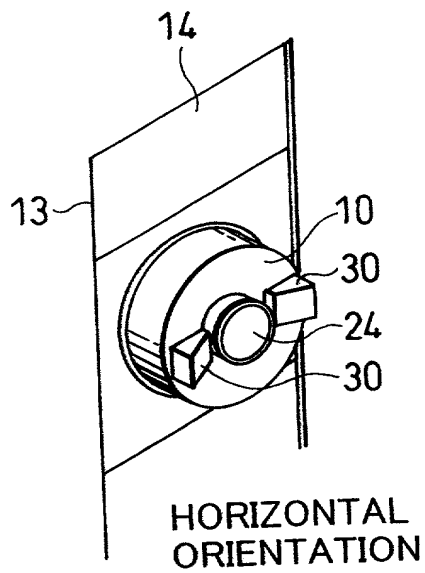


FIG.6

B-B' SECTIONAL VIEW

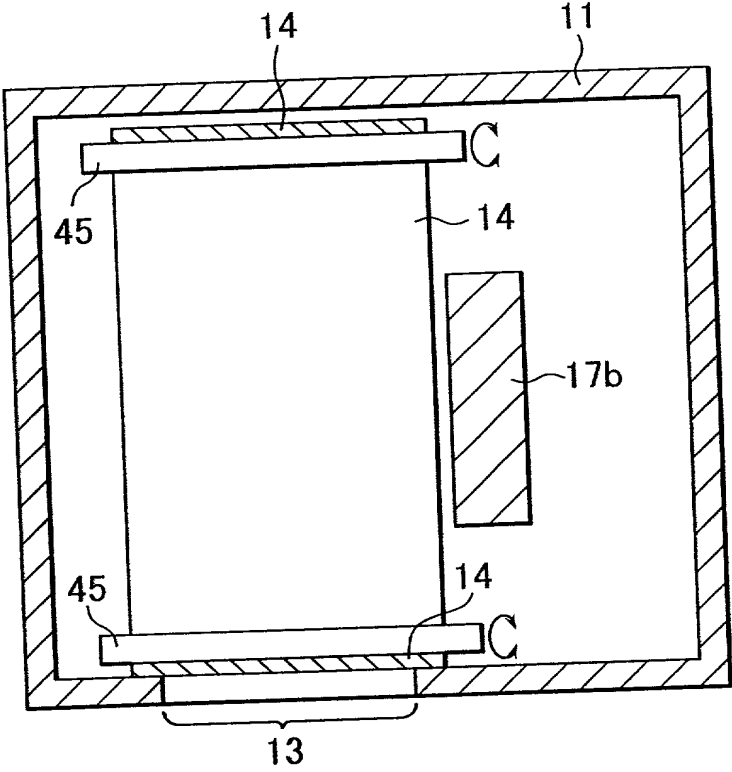
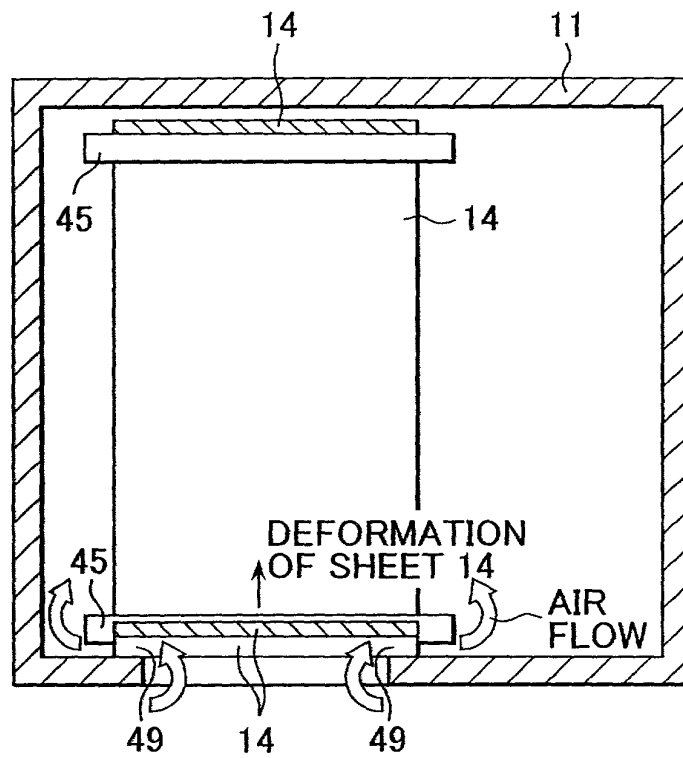


FIG.7

B-B' SECTIONAL VIEW  
(WITH PRESSURE REDUCTION FAN 48 OPERATING)



[illegible]

(WITH PRESSURE REDUCTION FAN 48 OPERATING)

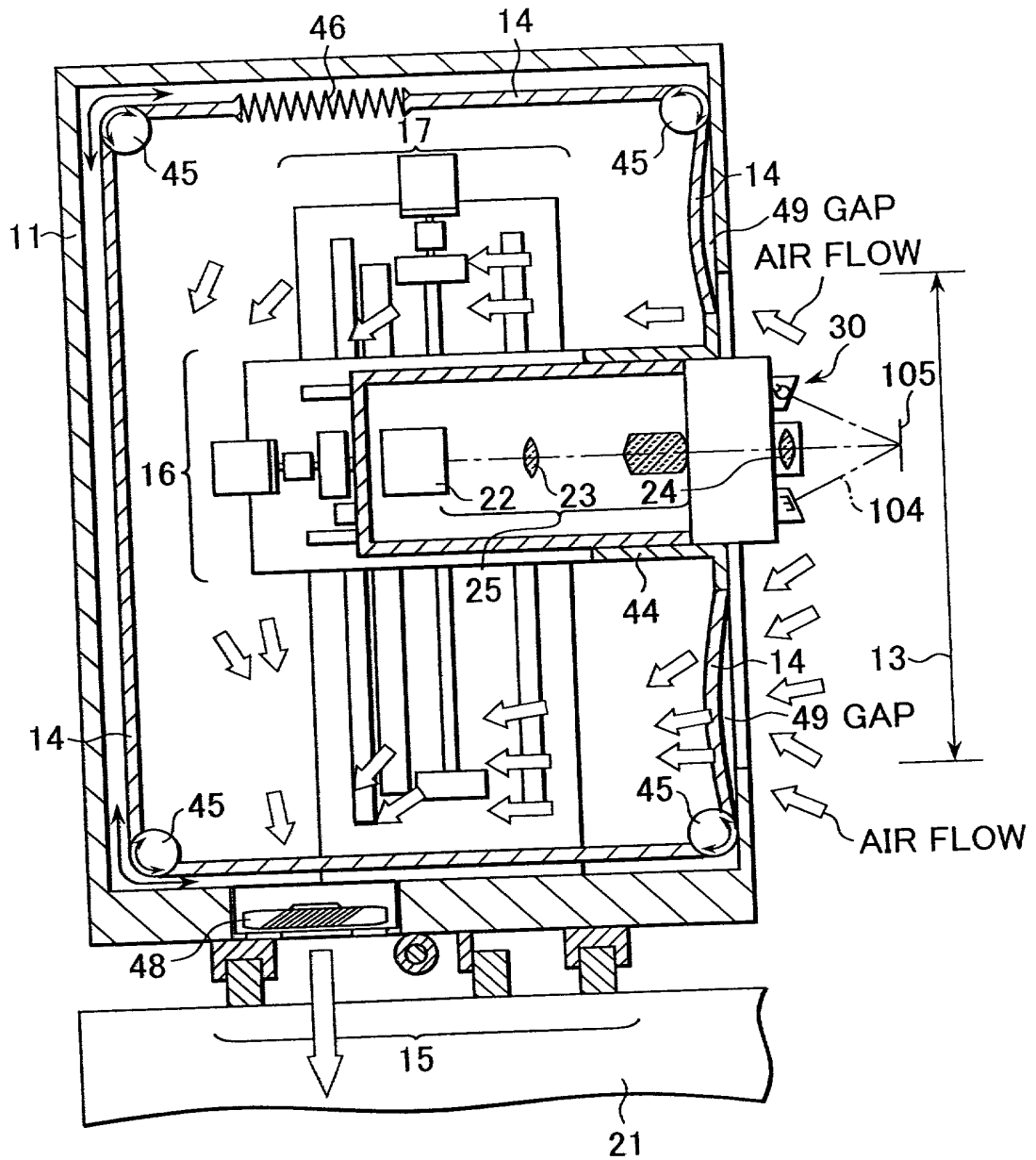




FIG.9

18

94 ROBOTIC HANDLING FLANGE

91 MAIN BODY

92 DOOR

93 TEETH

98

95 LATCH KEY  
HOLES

96 REGISTRATION PIN HOLES

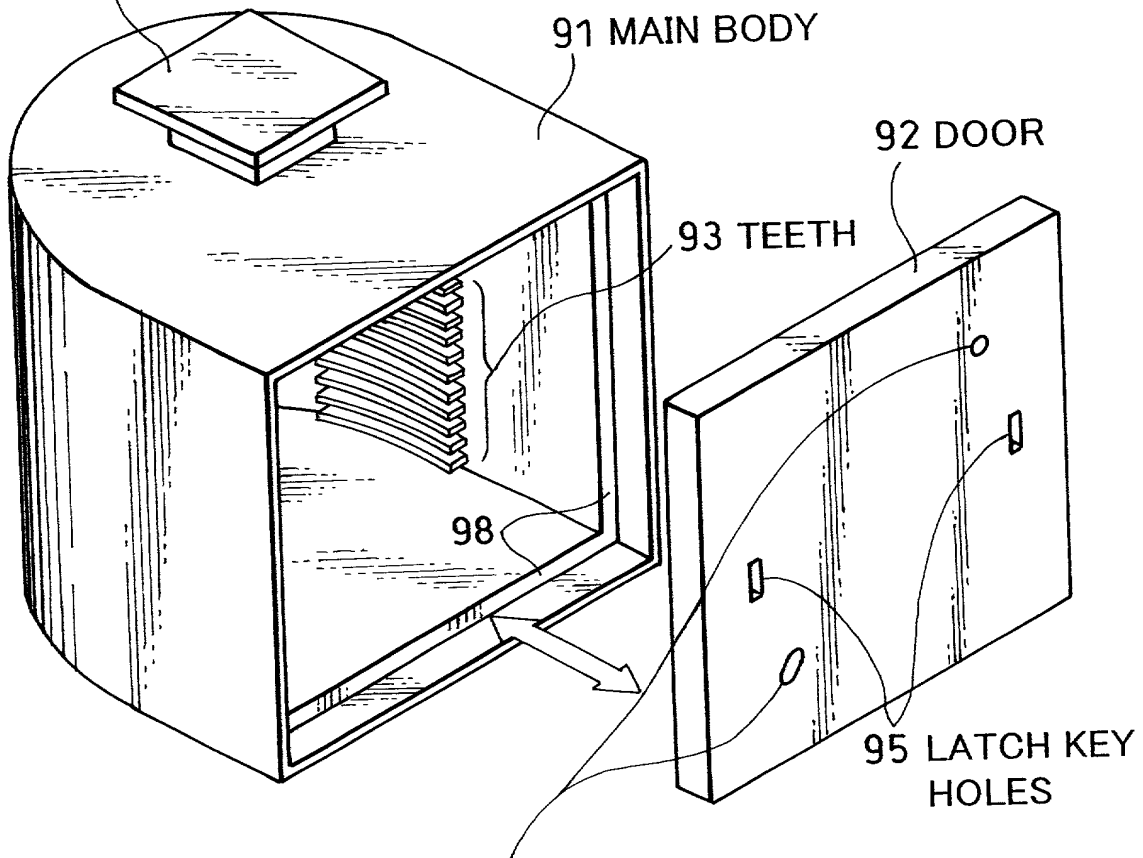


FIG.10

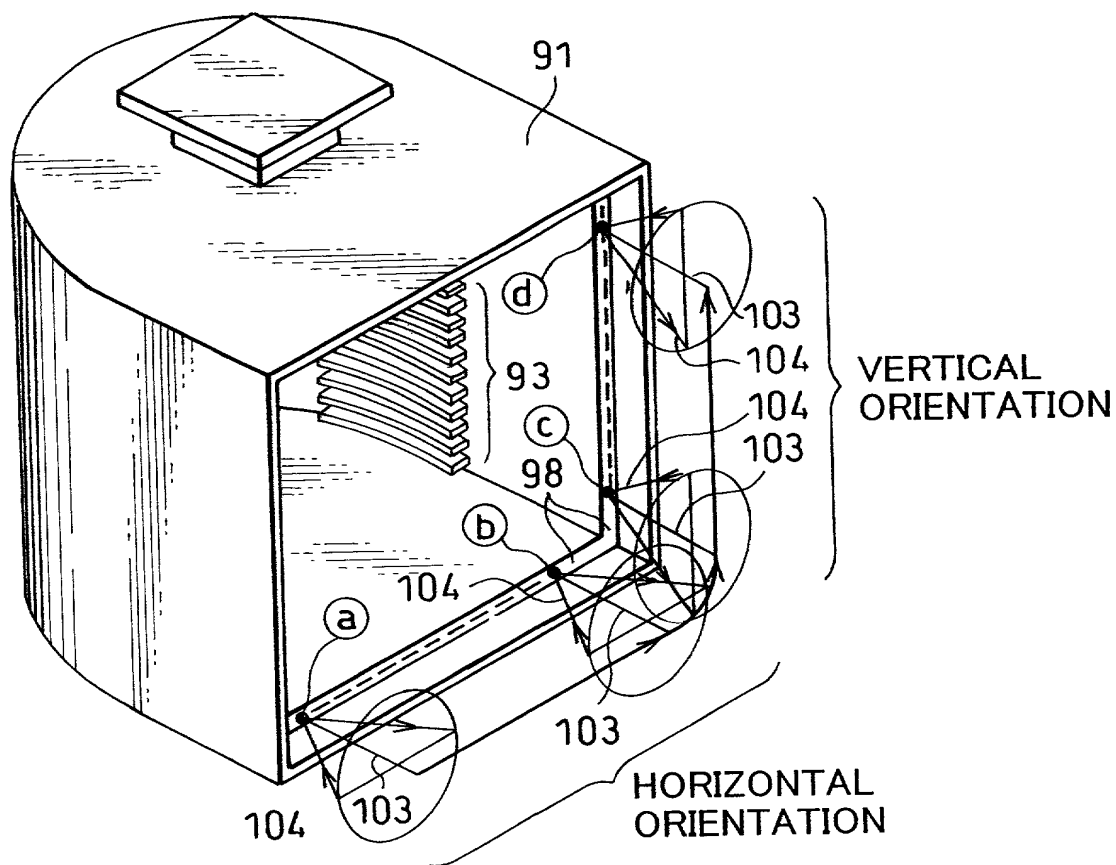


FIG.11

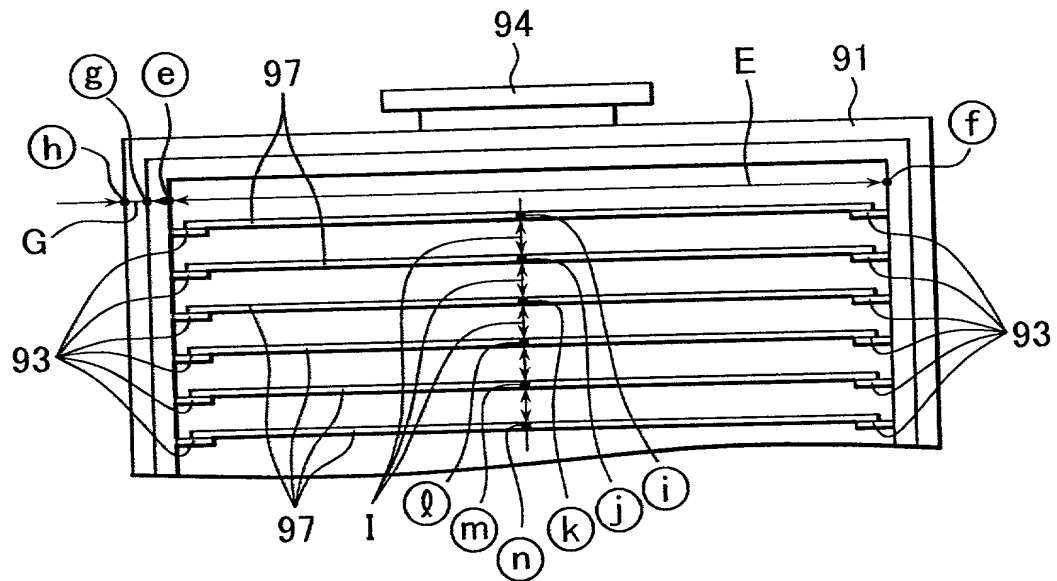


FIG.12

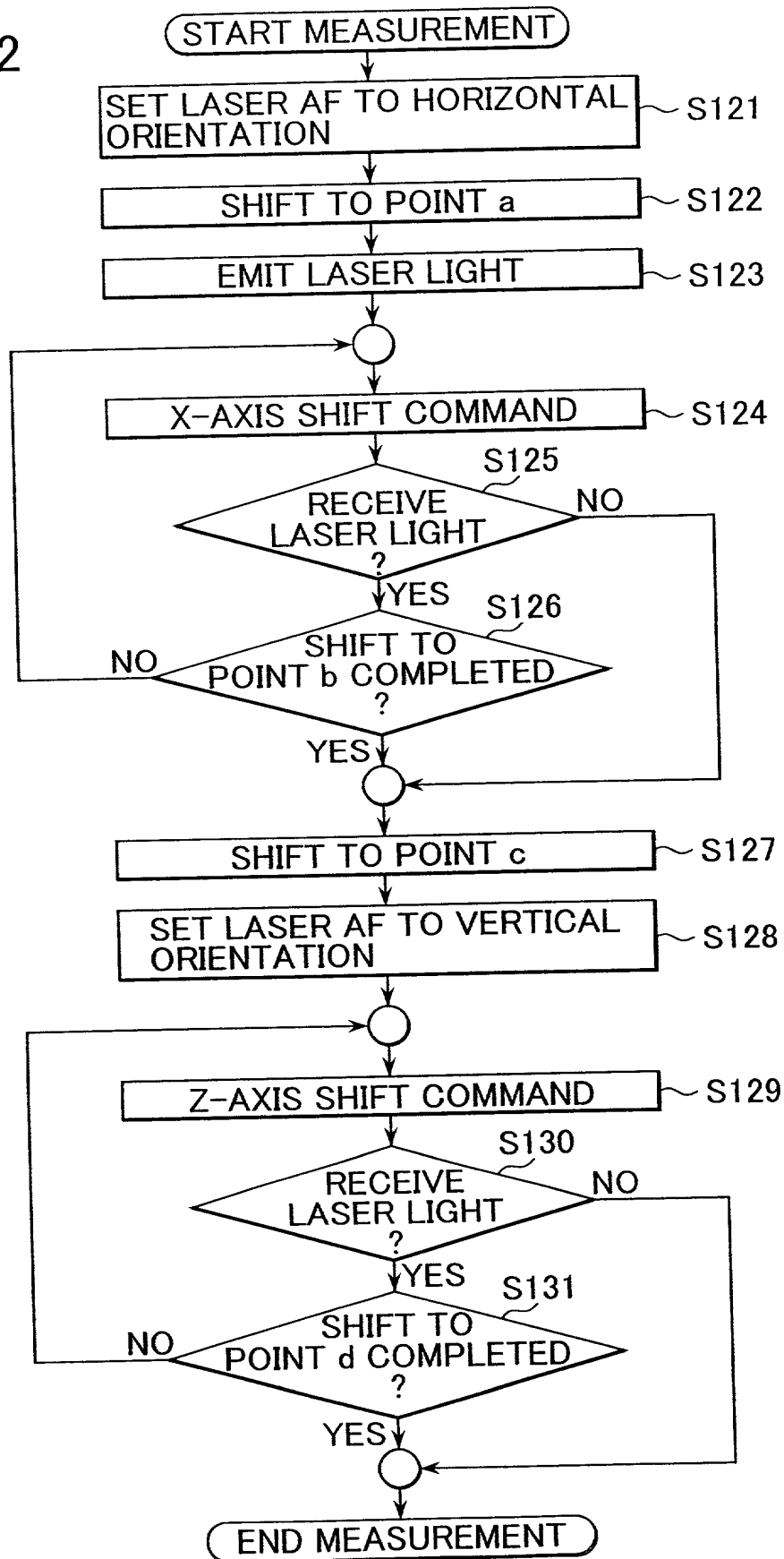


FIG.13A

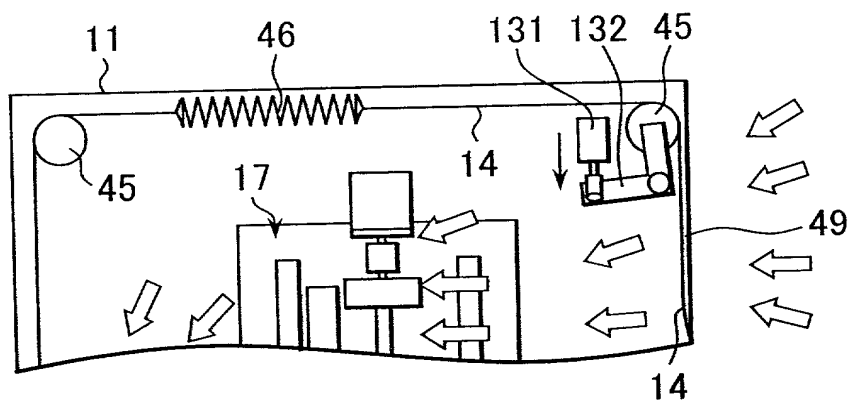


FIG.13B

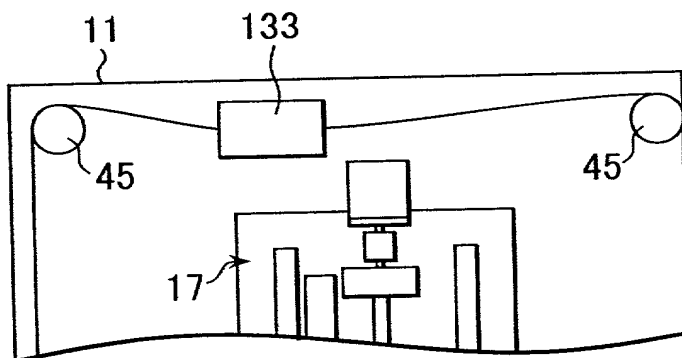


FIG.14

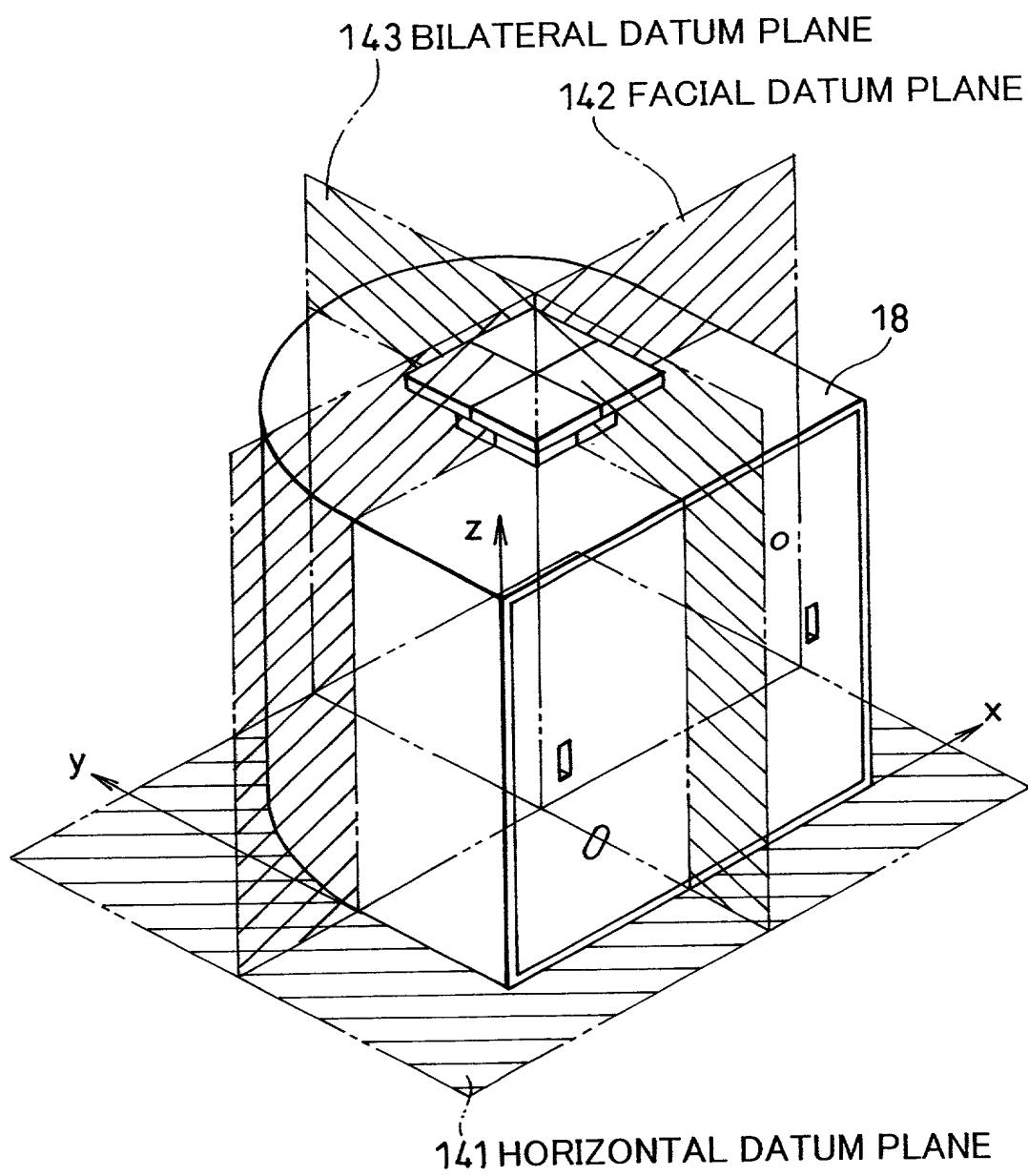


FIG.15

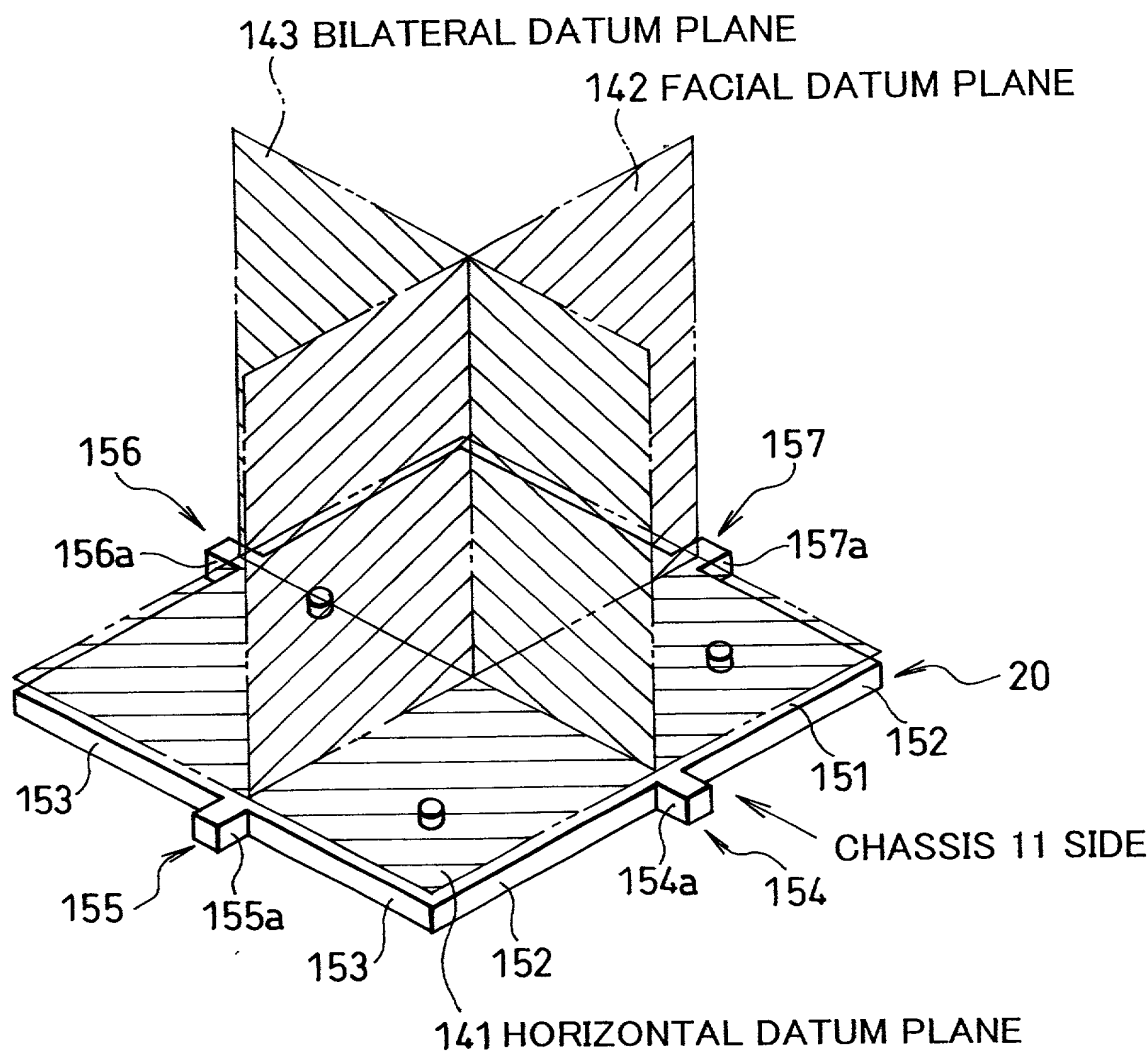


FIG.16

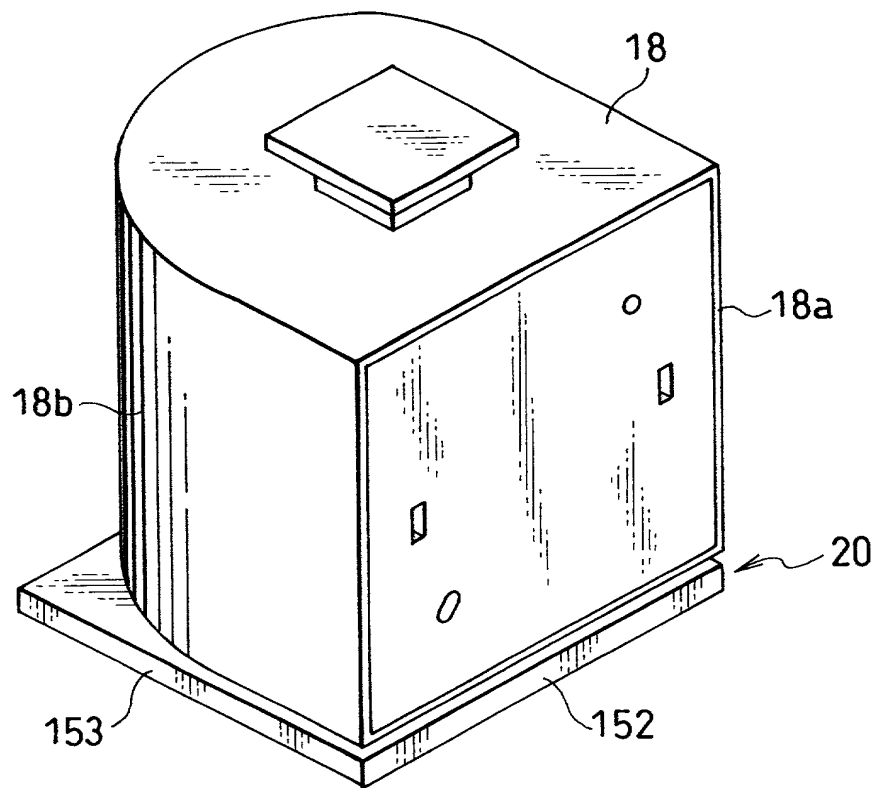






FIG.18

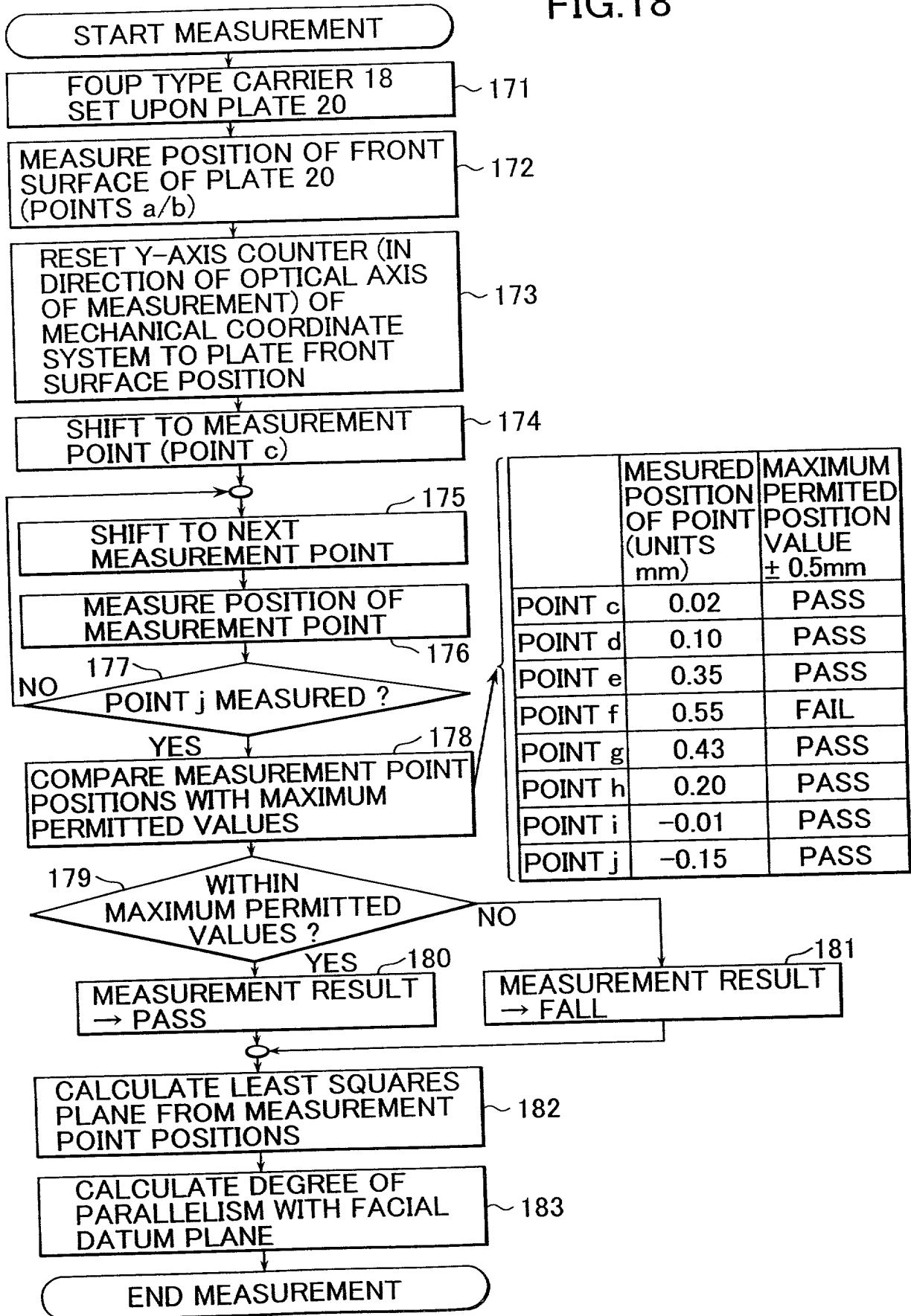


FIG.19A

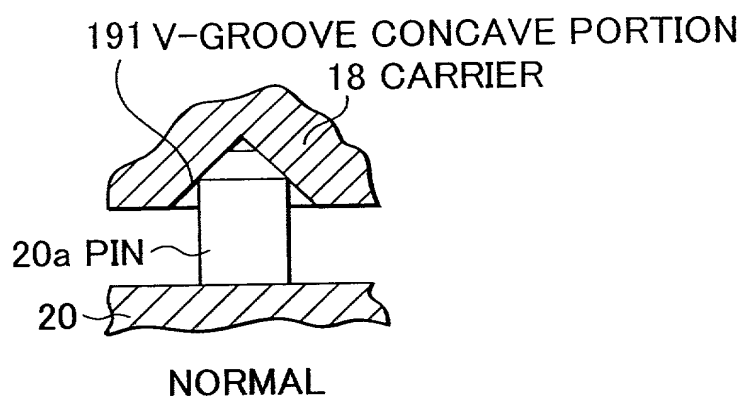
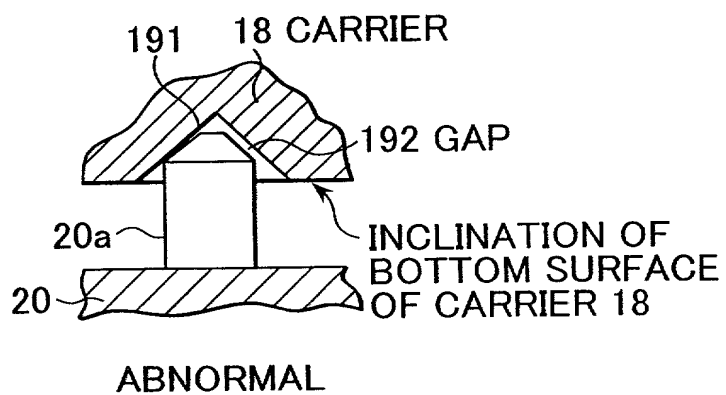


FIG.19B



**FIG. 20**

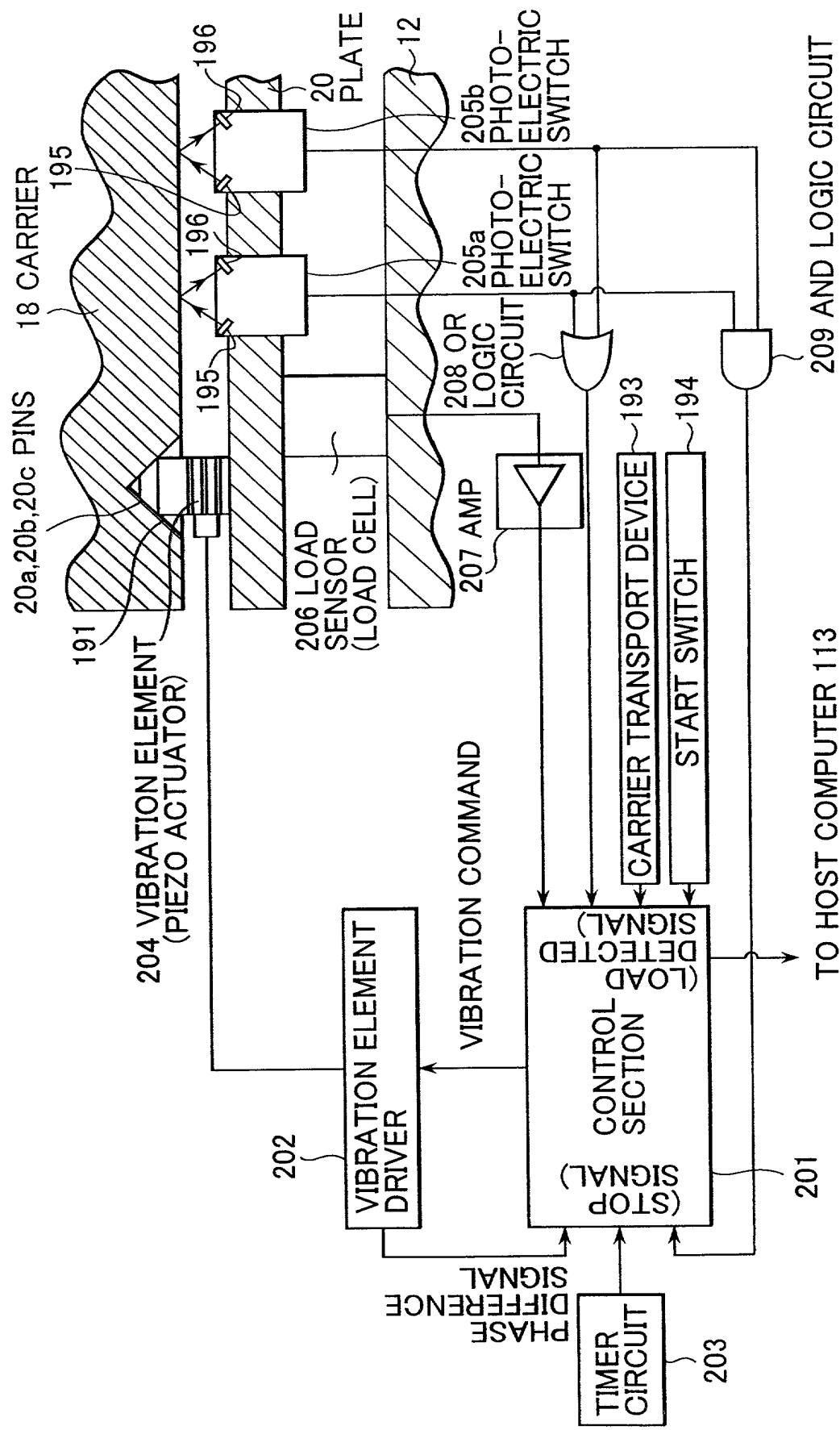


FIG. 21A

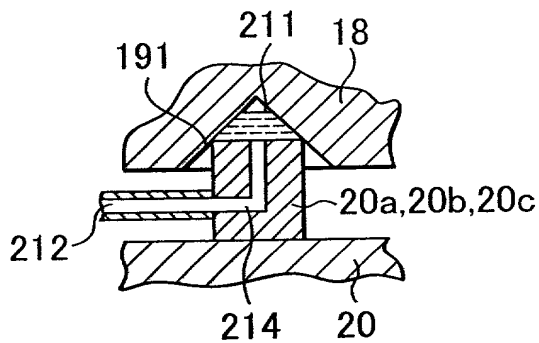


FIG. 21B

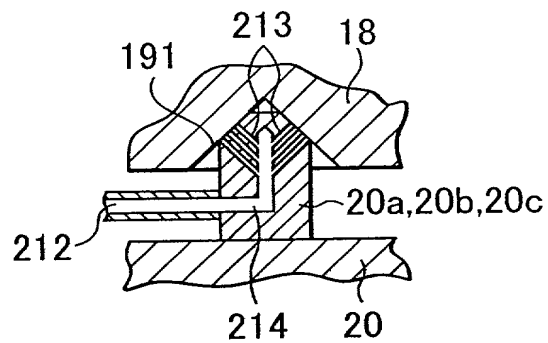


FIG. 21C

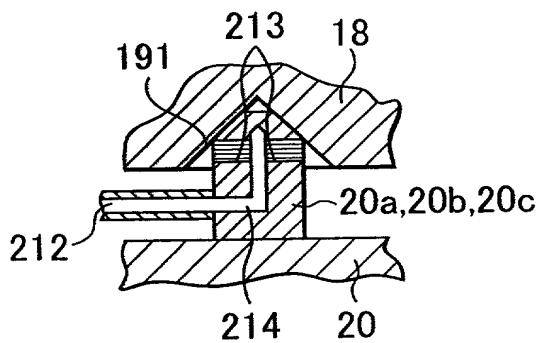


FIG. 21D

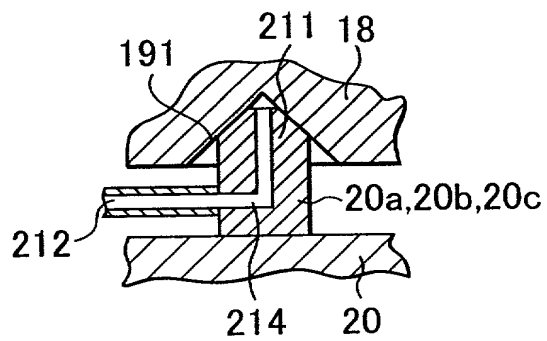


FIG.22

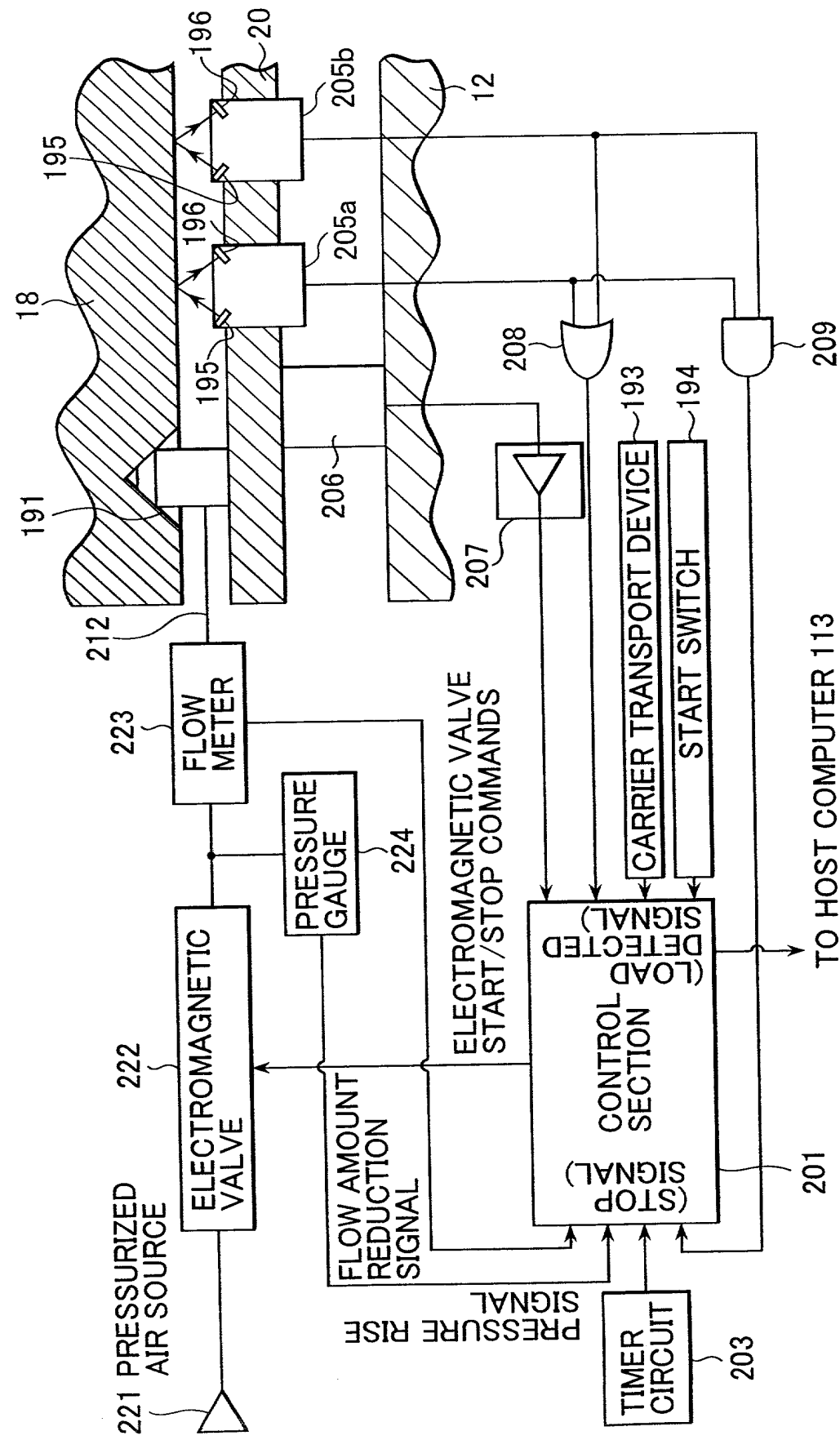


FIG.23

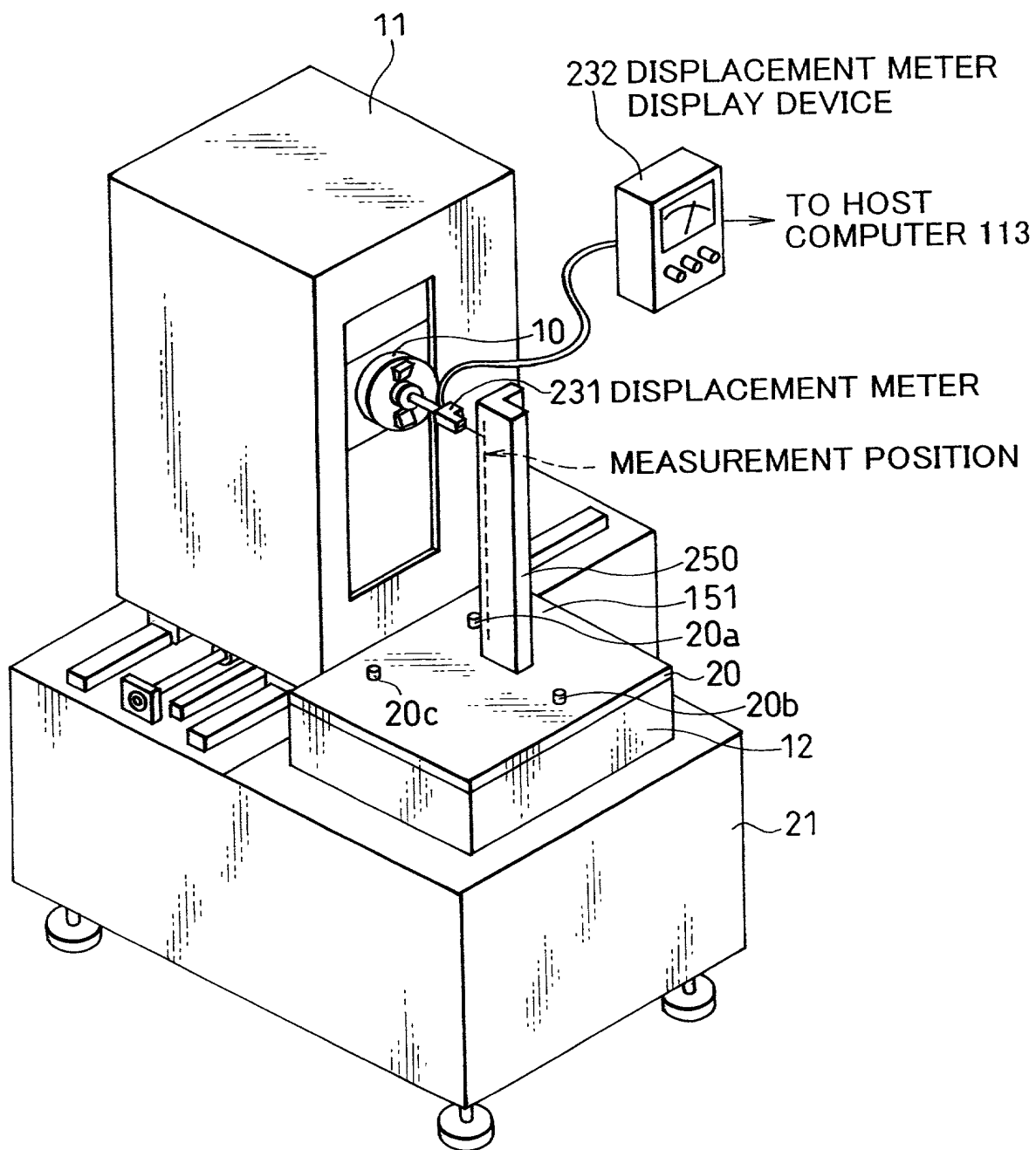


FIG.24

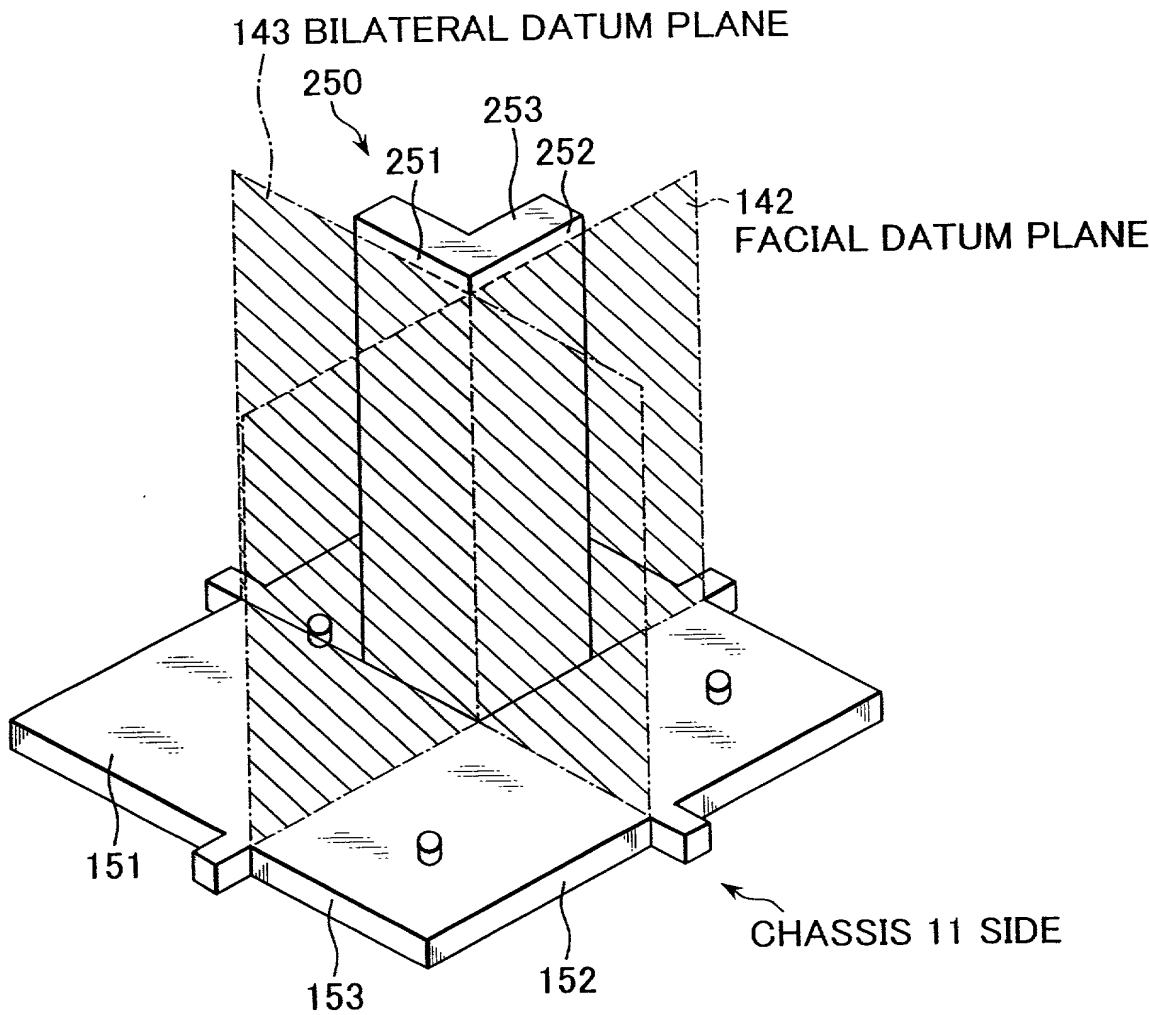




FIG. 25A is a perspective view of a component 250. The component 250 is an L-shaped member. It has a vertical leg 251 and a horizontal leg 252. The vertical leg 251 is formed by a top flange 253 and a bottom flange 254. The horizontal leg 252 is formed by a top flange 253 and a bottom flange 254. The component 250 is shown in a perspective view.

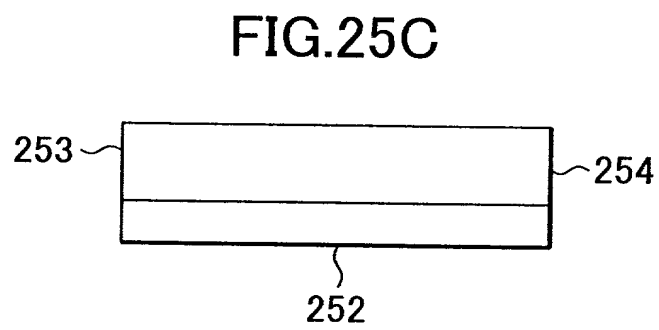
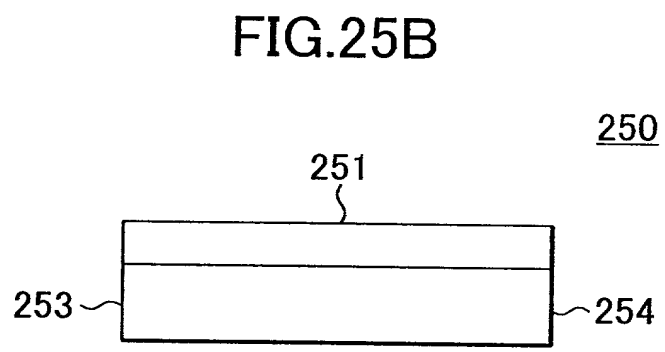
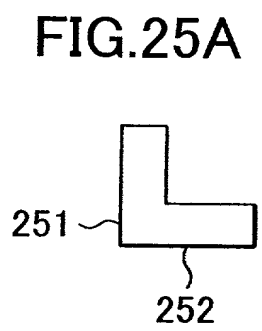


FIG.26

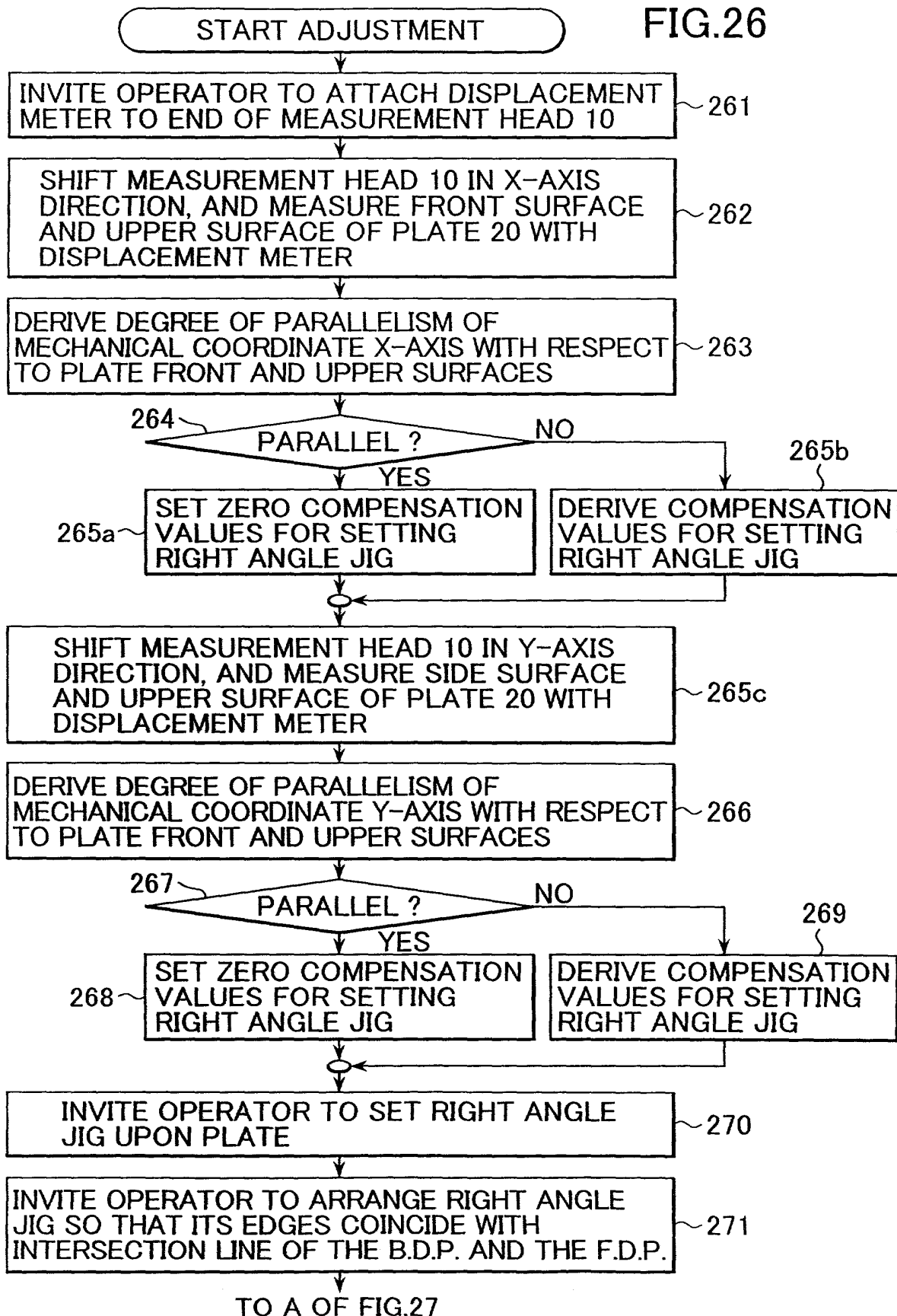


FIG.27

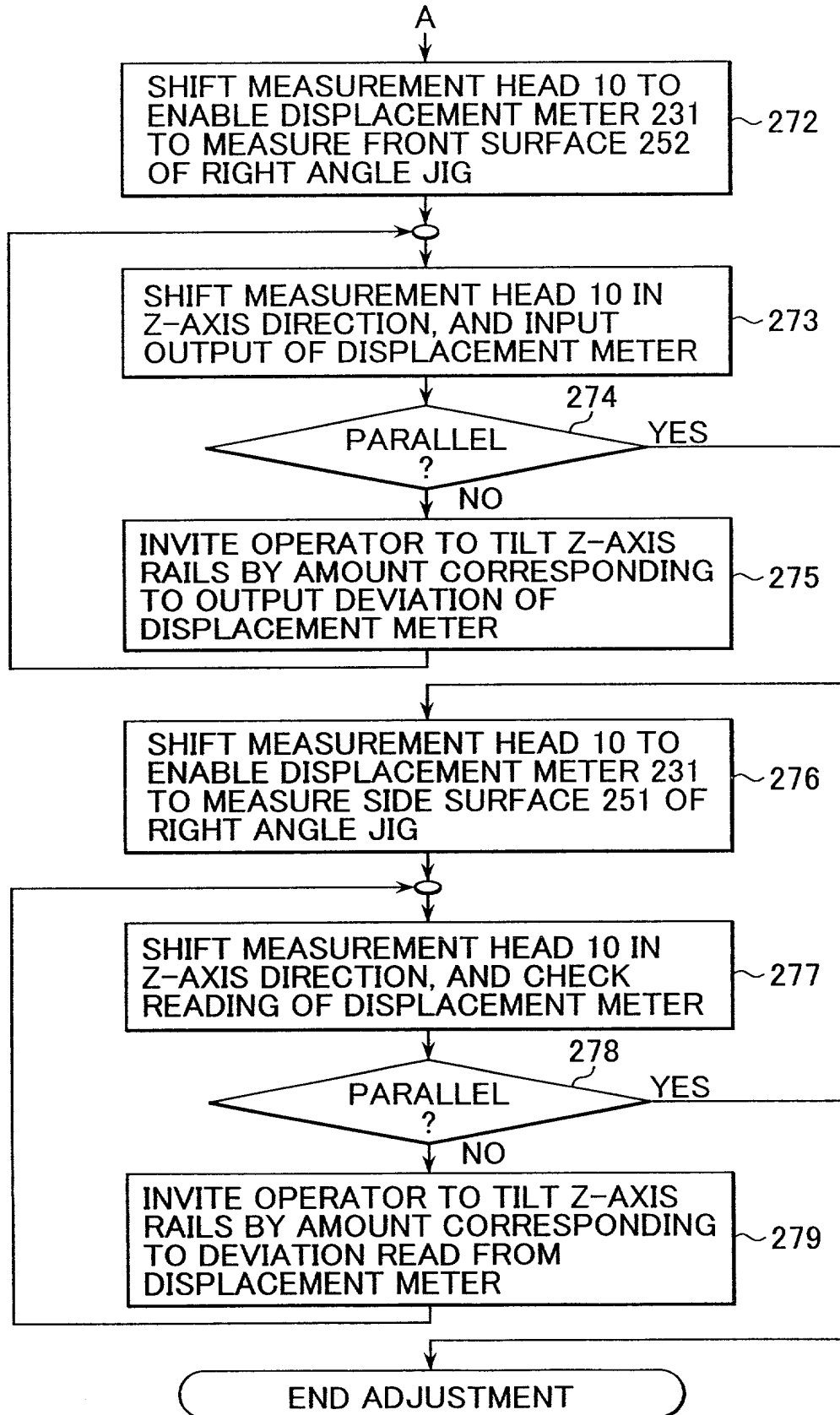


FIG.28

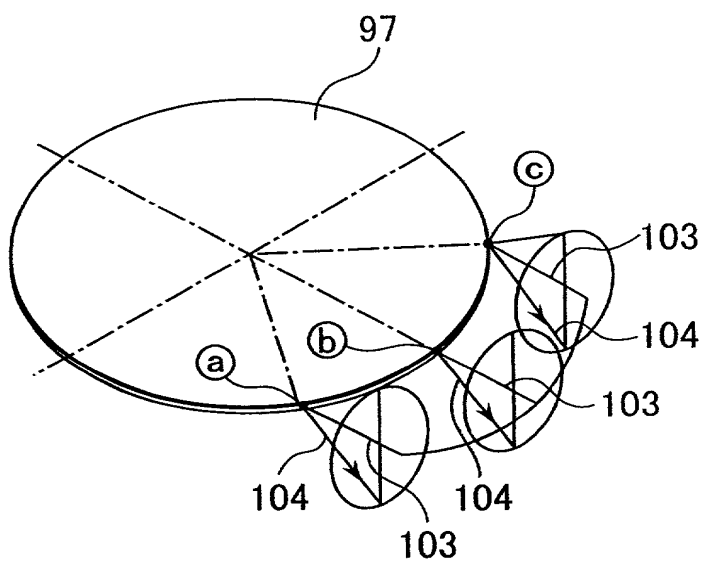


FIG.29

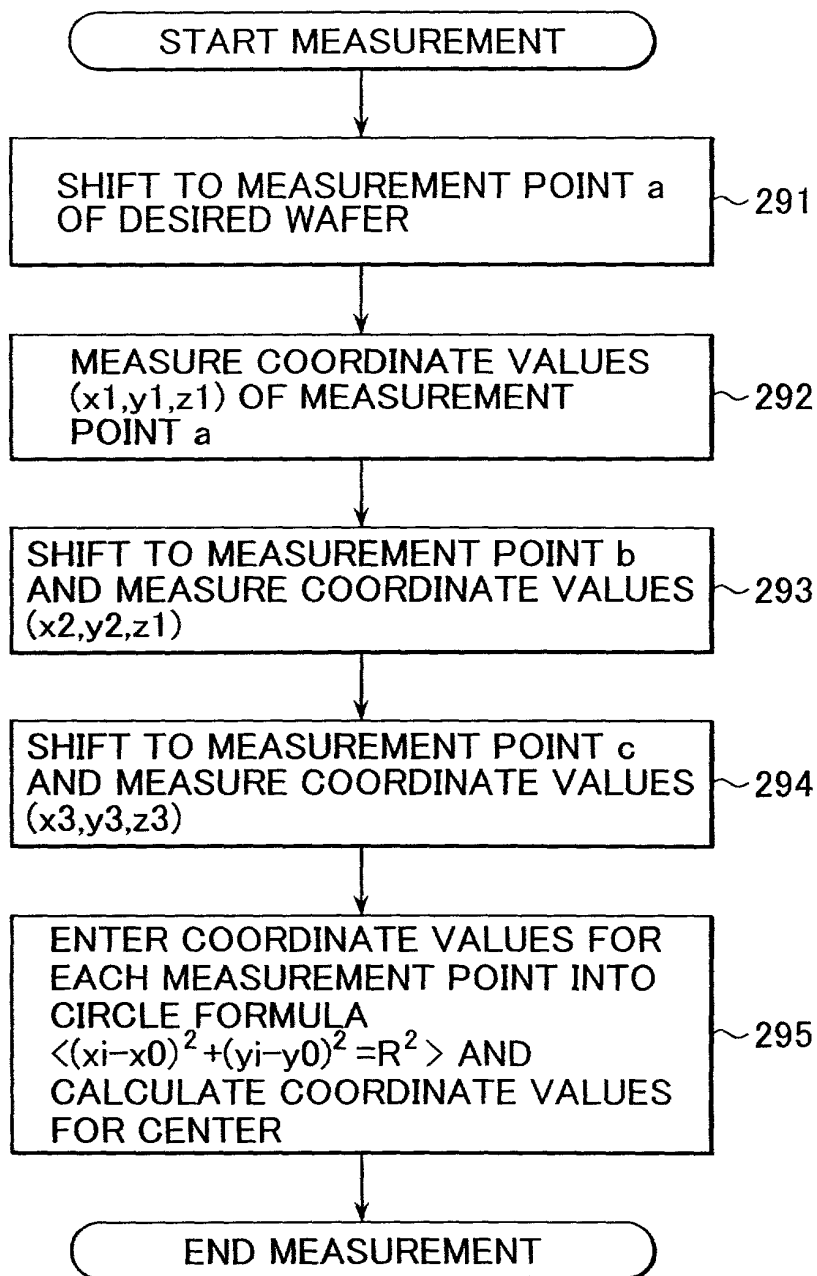


FIG. 30A is a schematic diagram of a wafer 97 section in facial datum plane 142. The wafer 97 is shown in a cross-sectional view, with a central portion labeled "COORDINATES OF CENTER". The wafer 97 is supported by a base 93, which is labeled "93 TEETH". The wafer 97 is shown in a cross-sectional view, with a central portion labeled "COORDINATES OF CENTER". The wafer 97 is shown in a cross-sectional view, with a central portion labeled "COORDINATES OF CENTER".

FIG.30A

WAFER 97 SECTION IN FACIAL DATUM PLANE 142

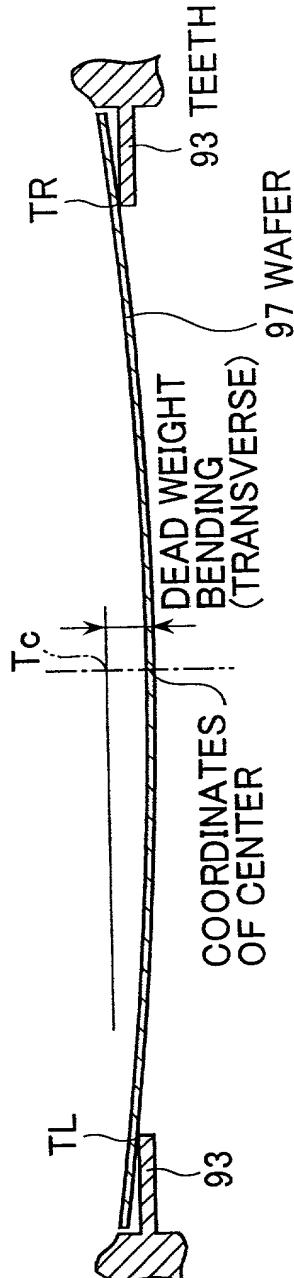


FIG.30B

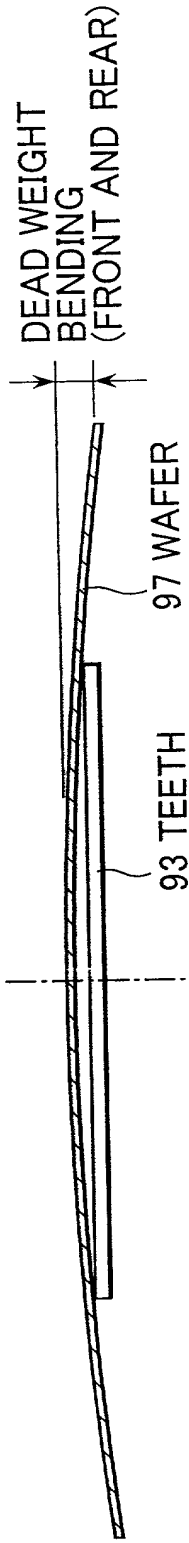


FIG.31

SECTION IN FACIAL DATUM PLANE 142

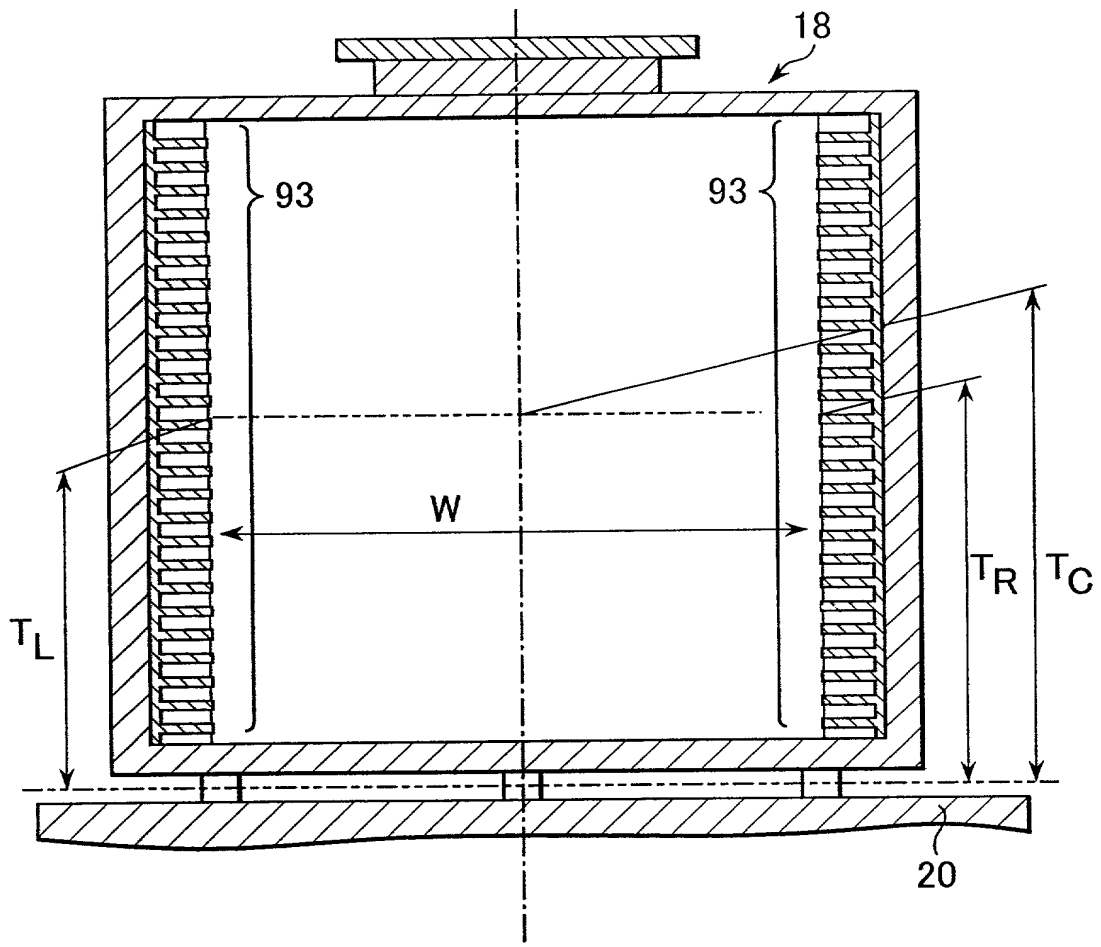
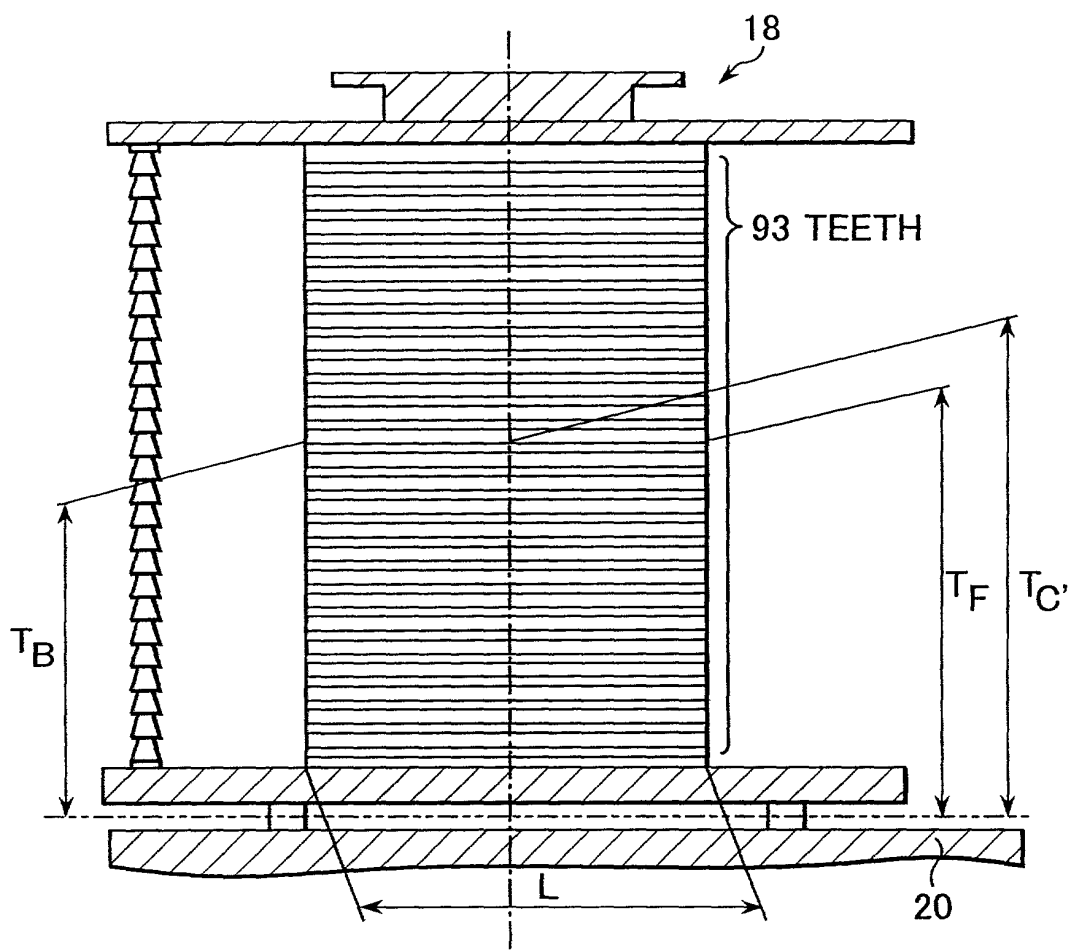
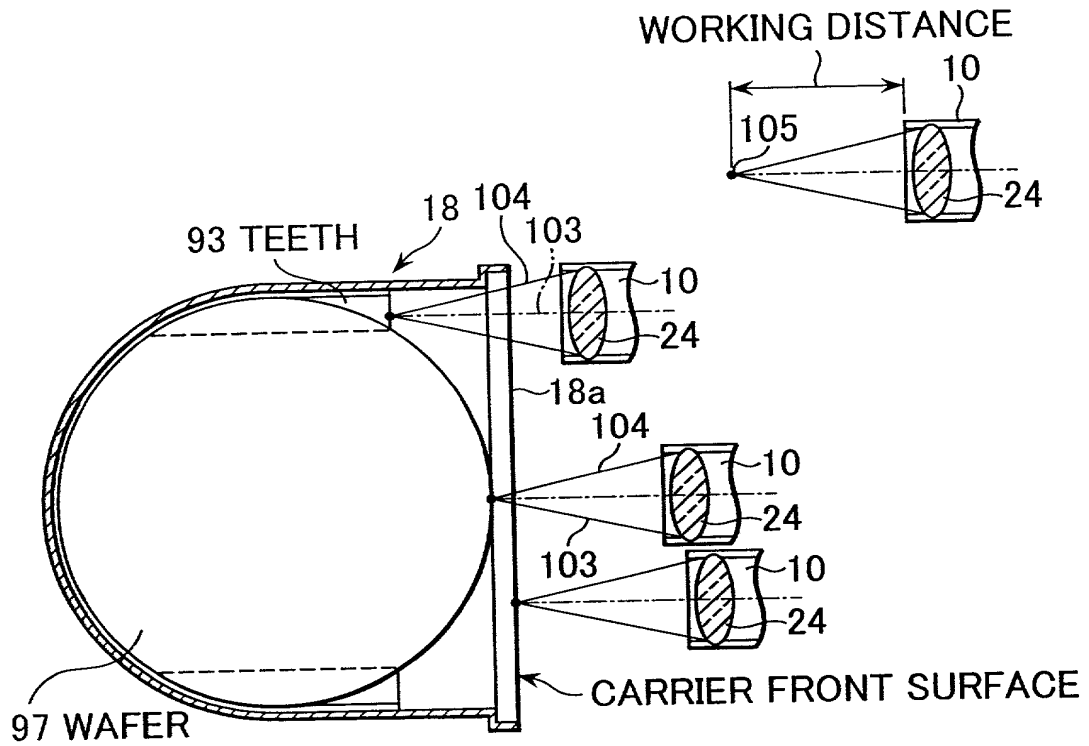


FIG.32

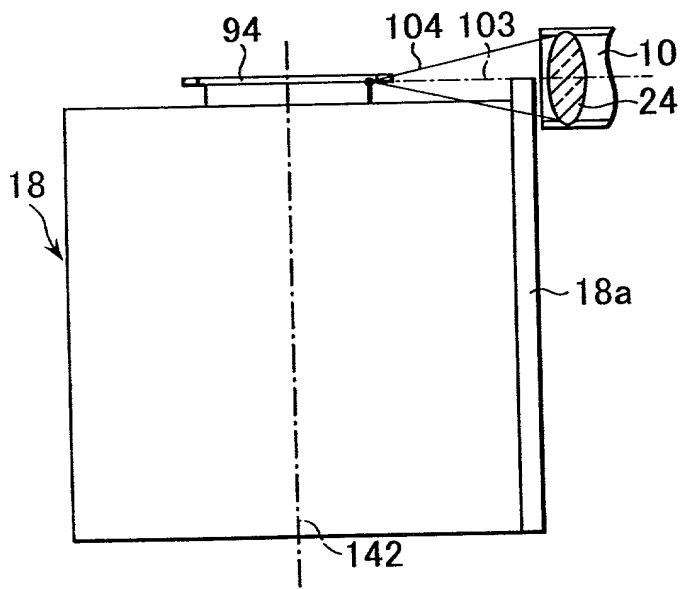




# FIG.33A



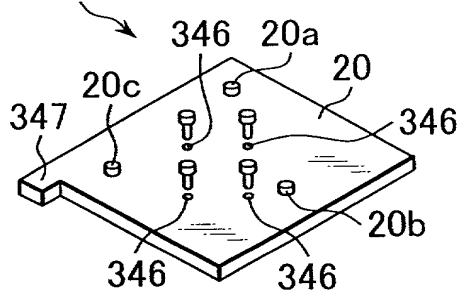
# FIG.33B



**FIG.34A**

DURING MEASUREMENT  
OF CARRIER 18 FRONT  
SURFACE (xy PLANE)

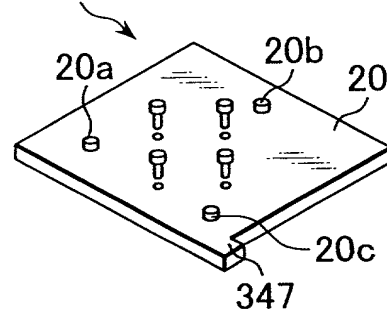
CHASSIS 11 SIDE



**FIG.34B**

DURING MEASUREMENT  
OF LEFT SURFACE  
(-yz PLANE)

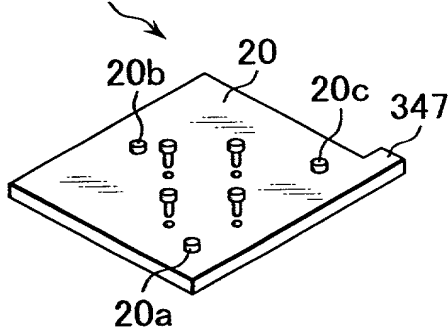
CHASSIS 11 SIDE



**FIG.34C**

DURING MEASUREMENT  
OF REAR SURFACE  
(-xz PLANE)

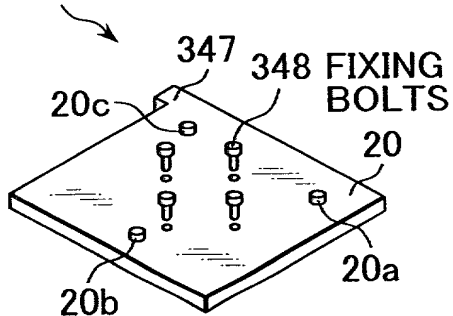
CHASSIS 11 SIDE



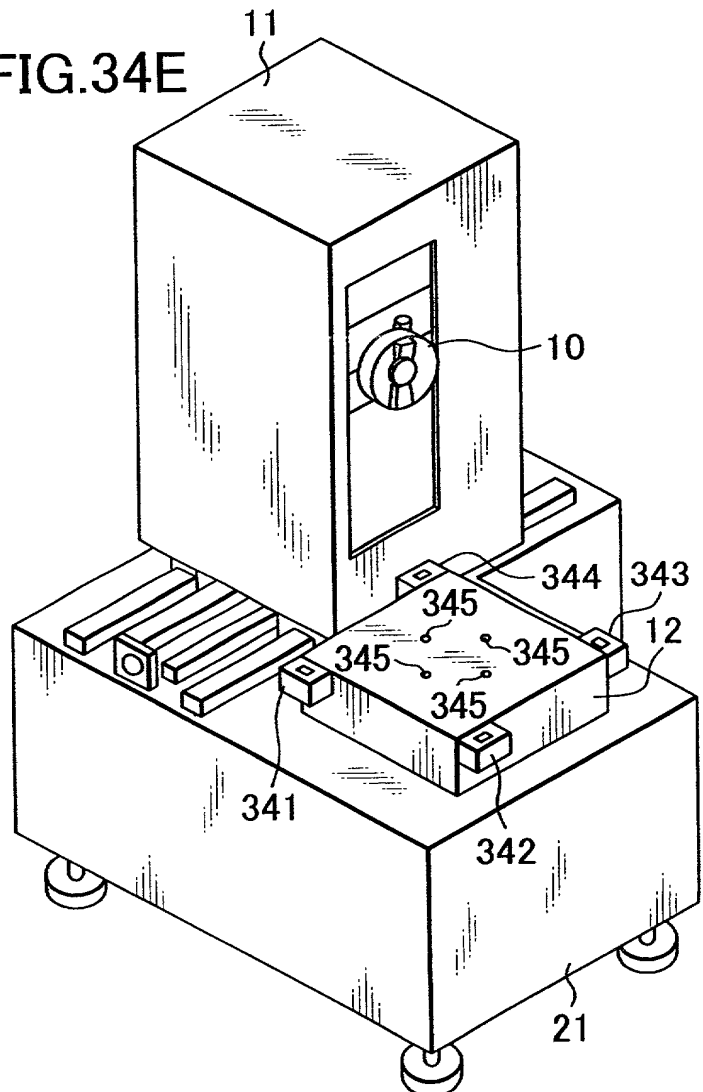
**FIG.34D**

DURING MEASUREMENT  
OF RIGHT SURFACE  
(yz PLANE)

CHASSIS 11 SIDE



**FIG.34E**



# FIG.35

CONVERT COORDINATE AXES OF IMAGE OF CCD CAMERA 22

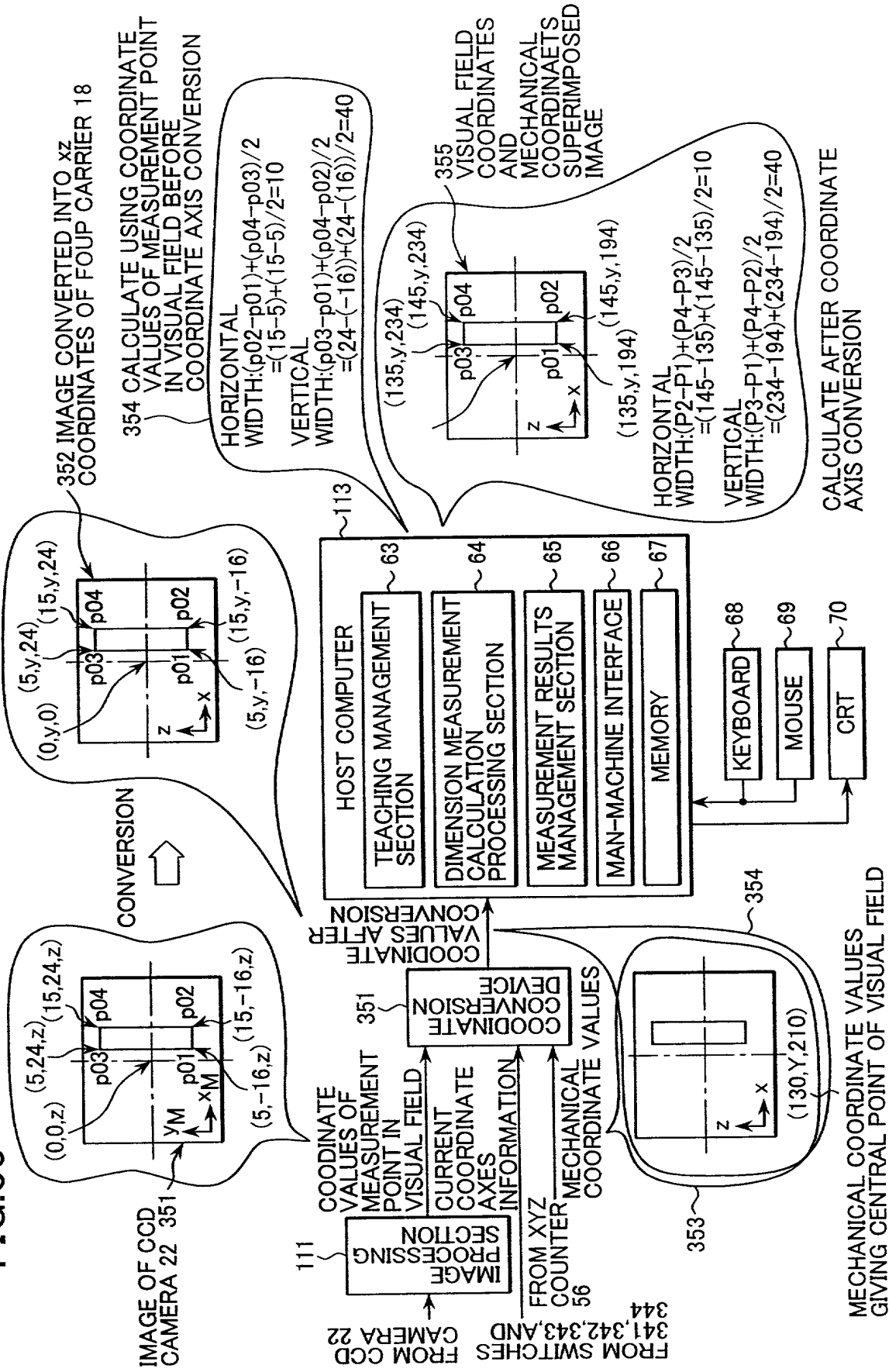


FIG.36A

FOUP (PLATE) DIRECTION	DETECTION SWITCH	VISUAL FIELD COORDINATE SYSTEM			MECHANICAL COORDINATE SYSTEM	
		ORIGINAL COORDINATES IN IMAGE FROM CCD CAMERA 22	COORDINATES AFTER CONVERSION (SURFACE OF CARRIER 18 WHICH IS PHOTOGRAPHED)	COORDINATE VALUES FOR POINT P03 AFTER CONVERSION	ORIGINAL COORDINATES OF XYZ COUNTER 56 GIVING SURFACE FACING MEASUREMENT HEAD 10	COORDINATES AFTER CONVERSION (SURFACE OF CARRIER 18 WHICH IS PHOTOGRAPHED)
FRONT SURFACE	SW 341	$x_M \ y_M$ (5,24,z)	xz	5,y,24	XZ	xz
LEFT SURFACE	SW 342		-yz	$x, -5, 24$		-yz
REAR SURFACE	SW 343		-xz	-5,y,24		-xz
RIGHT SURFACE	SW 344		yz	$x, 5, 24$		yz

FIG.36B

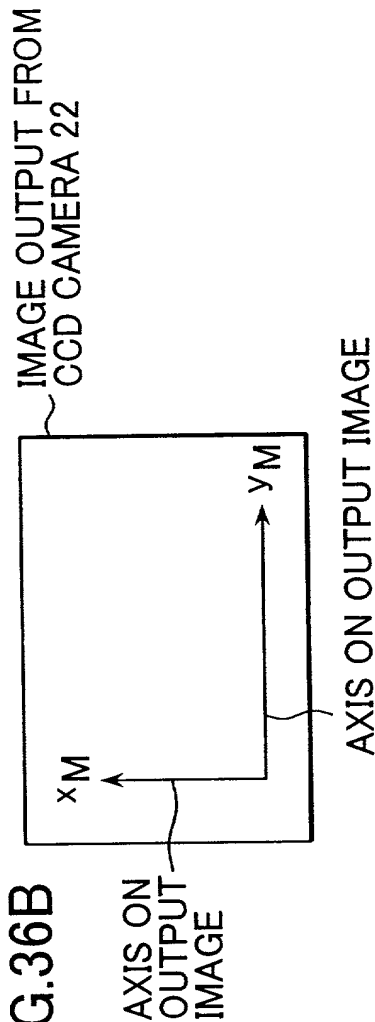


FIG.37

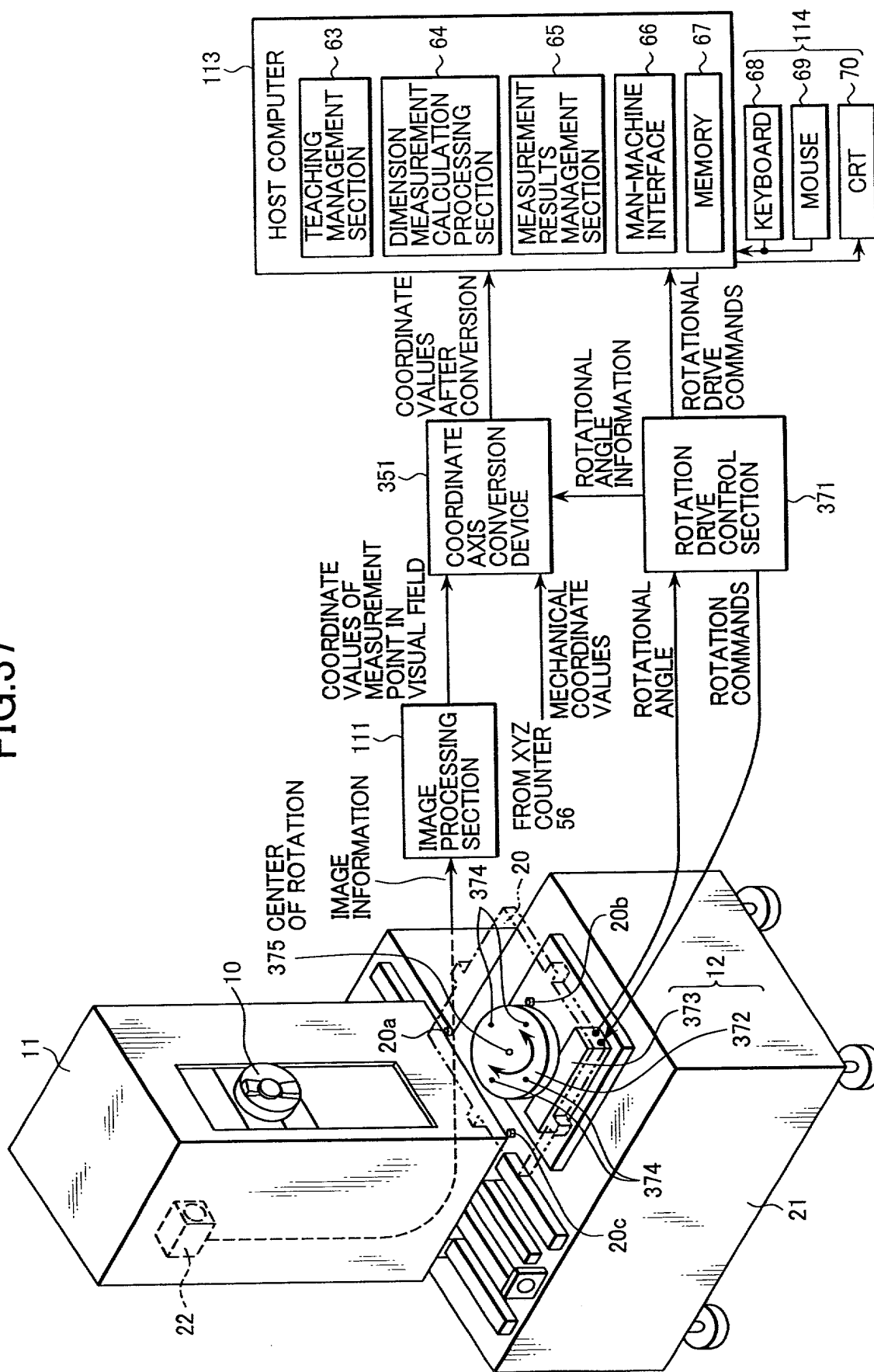
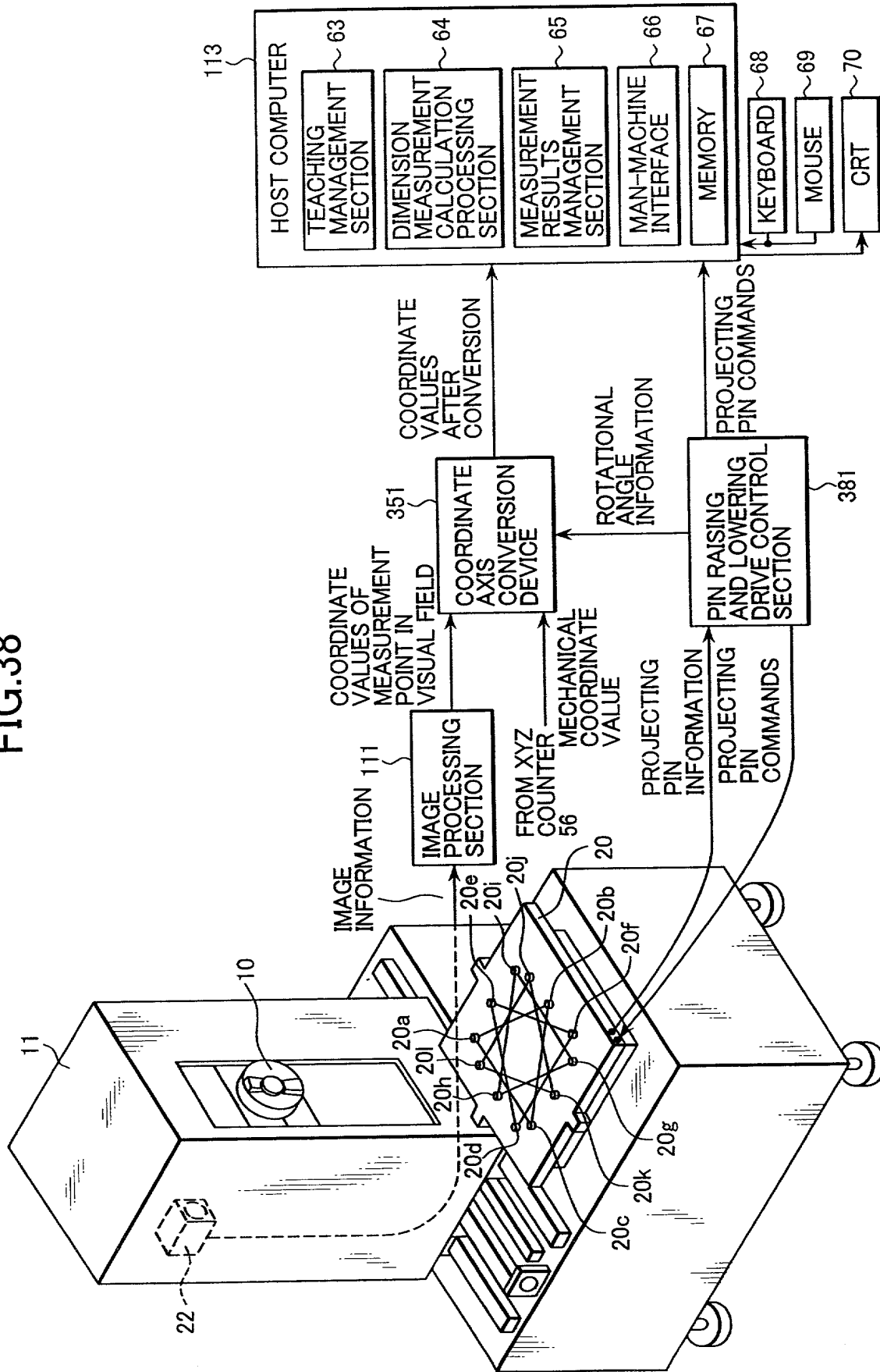
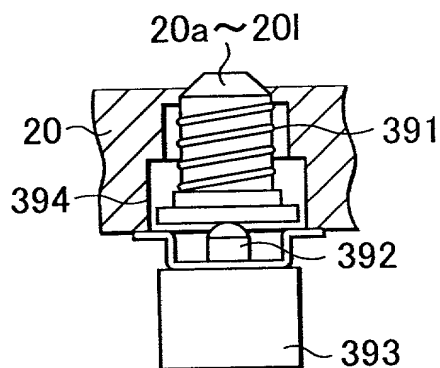


FIG.38



# FIG.39A

(WHEN HOUSED)



# FIG.39B

(WHEN PROJECTED)

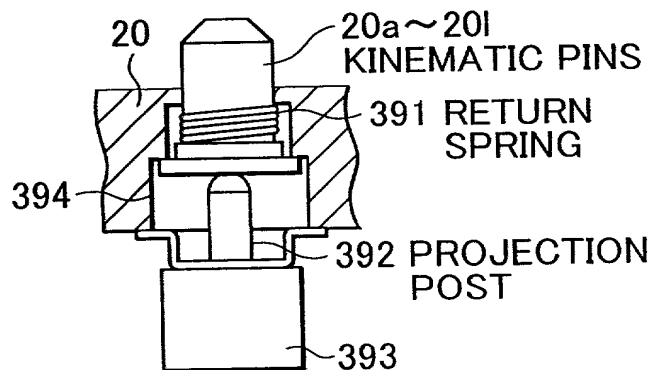


FIG.40

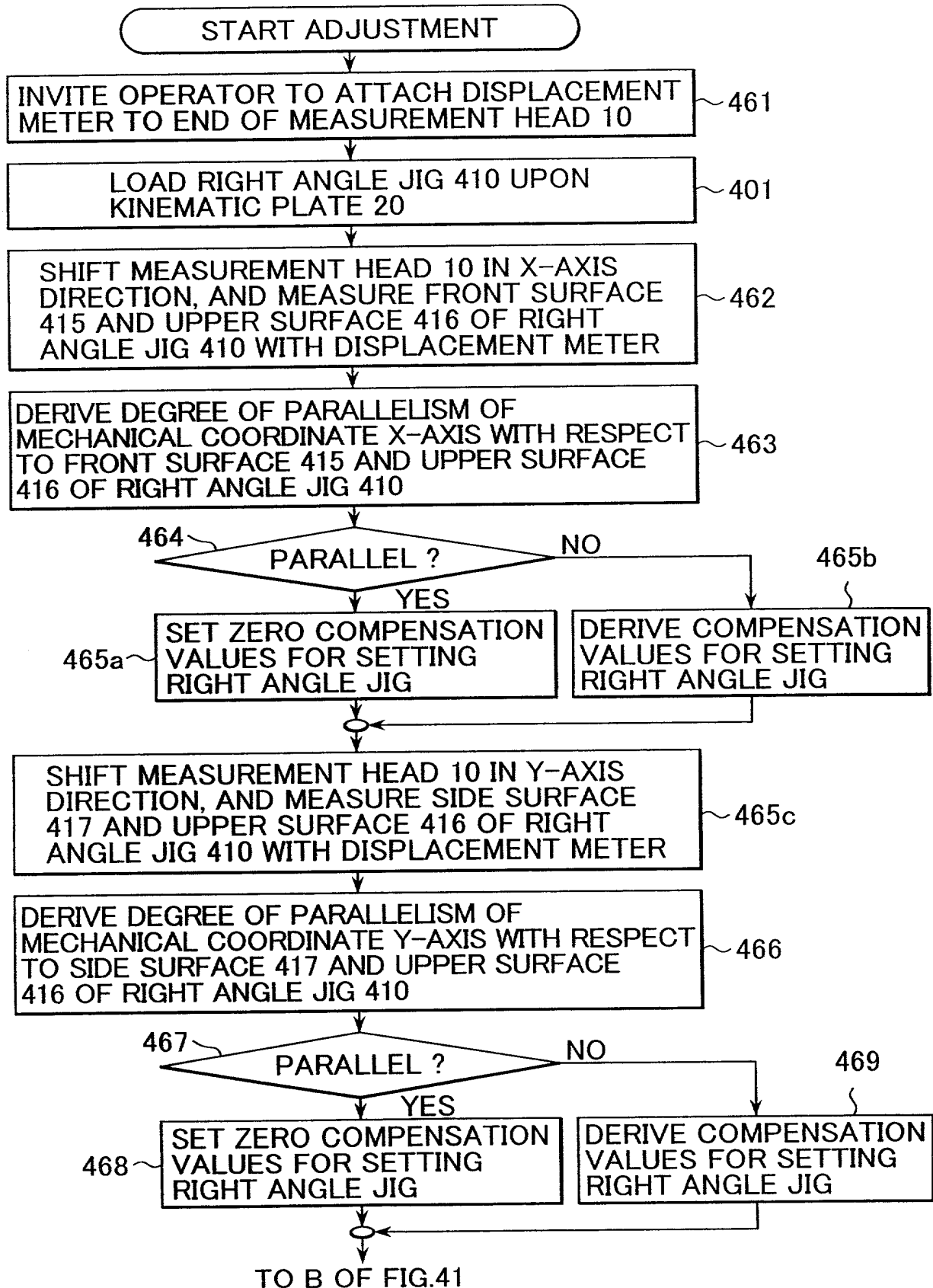




FIG.41

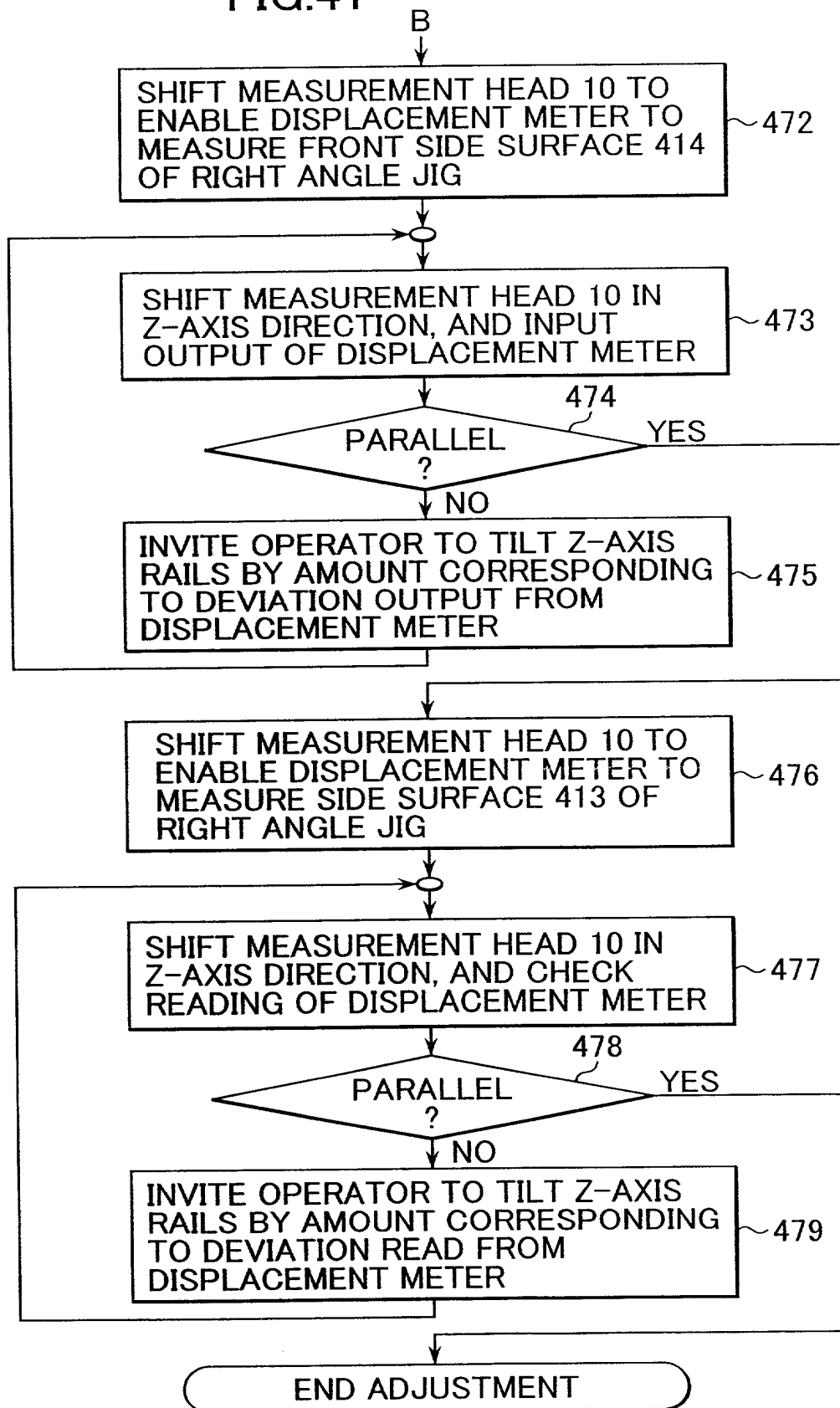


FIG.42A

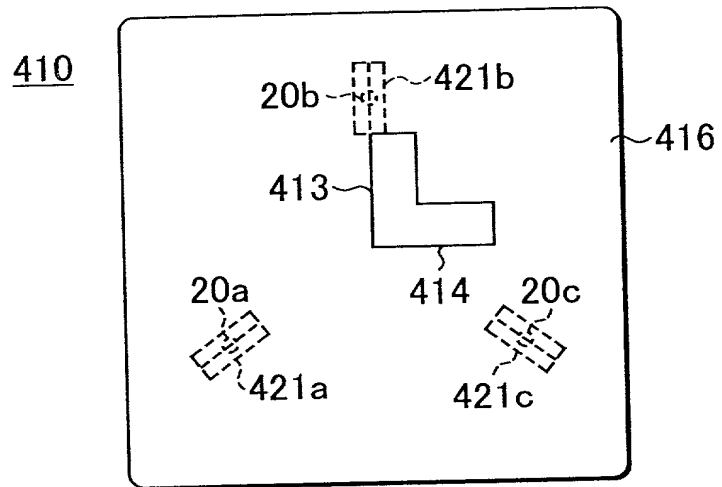


FIG.42B

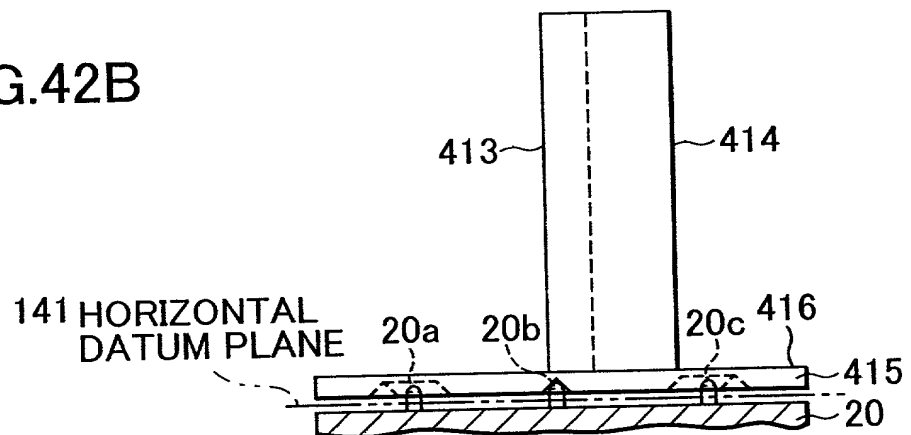


FIG.42C

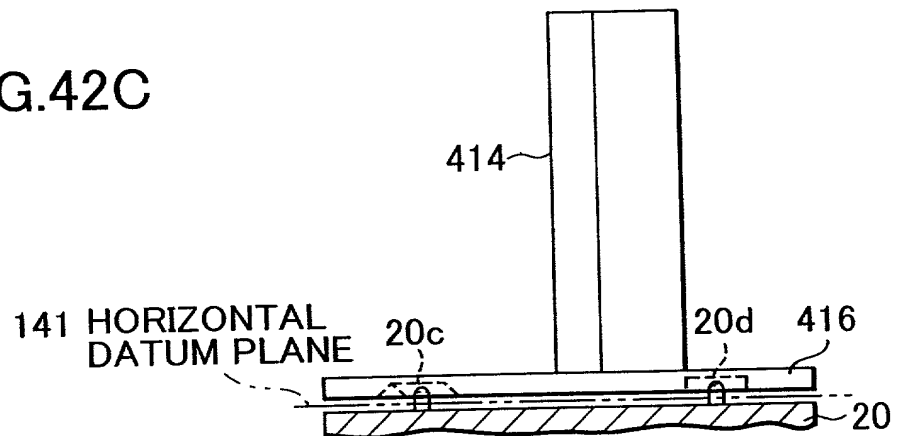


FIG.43

